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File 347:JAPIO Oct 1976-2003/Mar(Updated 030703)
         (c) 2003 JPO & JAPIO
File 350:Derwent WPIX 1963-2003/UD,UM &UP=200348
         (c) 2003  Thomson Derwent

Set     Items   Description
S1       4756   (SUPPLY? OR SUPPLIES OR INVENTORY OR INVENTORIES OR STOCK -
            OR STOCKING)(3N)(CHAIN? ? OR MANAG? OR FULFILLMENT OR LOGISTI-
            C?)
S2     952101   VIRTUAL? OR CYBER OR COMPUTERI? OR DISTRIBUTED OR NETWORK?
            OR LINK? OR INTERACTIV?
S3      36426   (K OR WAL OR QUICK)(1W)MART? ? OR (CONVENIENCE OR DISCOUNT
            OR DOLLAR OR NEIGHBORHOOD OR MOM(1W)POP)(2W)(STORE OR STORES -
            OR SHOP? ? OR OUTLET? OR MART? ? OR RETAILER?) OR DISCOUNTER?
            OR 7(1W)(11 OR ELEVEN) OR CIRCLE(1W)K
S4      87607   VENDOR? OR MERCHANT? ? OR SUPPLIER? OR DEALER? ? OR DISTRI-
            BUTOR? OR WHOLESALER?
S5          0   S1 AND S2 AND S3 AND S4
S6          1   S1 AND S2 AND S3
S7         15   S1 AND S3
S8        635   S1(S)S2
S9        251   S1(5N)S2
S10   3139302   SHARE? OR SHARING OR CIRCULAT? OR TRANSMIT? OR TRANSMISS? -
            OR DISSEMINAT? OR NOTIFI? OR NOTIFY? OR APPRIS? OR TELL OR TO-
            LD OR IMPART? OR INFORM?? OR INFORMING OR COMMUNICAT? OR INTE-
            RFAC? OR UPLOAD? OR UP()LOAD?
S11      6331   (POS OR EPOS OR SALE? ? OR SELLING OR SOLD OR BUYING OR PU-
            RCHAS?)()(DATA OR INFORMATION OR RECORD? ? OR PARTICULARS OR -
            DETAILS)
S12        28   S3 AND S10 AND S11
S13       132   S1 AND S4 AND S10
S14         5   S1 AND S4 AND S10 AND S11
S15        57   S1 AND S2 AND S4 AND S10
S16        45   S15 AND IC=G06F-017/60
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EKD July 29, 2003

6/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

009983763
WPI Acc No: 1994-251474/199431
XRAM Acc No: C94-114241

Onion cleaning equipment esp. for red onions - includes frame with adjustable legs, trestles supporting vibratable transfer trough, collision plates and side plates, etc.

Patent Assignee: MORVERN TRADING LTD (MORV-N)
Inventor: RAATZ G J
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
HU 65720	T	19940728	HU 91147	A	19910117	199431	B

Priority Applications (No Type Date): HU 91147 A 19910117
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
HU 65720	T		1	A23N-015/08	

...Abstract (Basic): Machine comprises the following: adjustable legs (11), supporting a frame (2) **supply** tank (41), **chain** driven elevator conveyor (7), trestles (**11**) supporting a transfer trough (12) with vibratory drive (14), guide plates (15) supported by brackets...

...are fitted into these openings and each carries small chain wheel which engages the inner **links** of double chain. The outer **links** engage an inner chain wheel. The shafts carry pairs of transport rollers. Threaded sleeves are...

7/TI,PY/1 (Item 1 from file: 347)
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

DISTRIBUTION CONSIGNMENT SYSTEM

PUBLISHED: March 06, 2001 (20010306)

7/TI,PY/2 (Item 2 from file: 347)
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

AUTOMATIC VENDING MACHINE

PUBLISHED: May 12, 1995 (19950512)

7/TI,PY/3 (Item 3 from file: 347)
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

FITTING DEVICE FOR NONSKID EQUIPMENT ON TYRE

PUBLISHED: March 11, 1985 (19850311)

7/TI,PY/4 (Item 1 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Laser printer in toner cartridge inventory control system, reads stored toner information based on which remaining amount of toner is detected and transmitted to management **server to perform** inventory **control**
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2003039795	A	20030213	JP 2001232914	A	20010731	200336	B

7/TI,PY/5 (Item 2 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Point of sales system for use in supermarket, has renewal file to which delivery data are copied when renewal of data in master file is performed
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2003067845	A	20030307	JP 2001260819	A	20010830	200333	B

7/TI,PY/6 (Item 3 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Management system for use in convenience store **, has server which enables to browse information terminals installed in maintenance or media supply firms with respect to detected abnormality**
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2002215821	A	20020802	JP 200114269	A	20010123	200266	B

7/TI,PY/7 (Item 4 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Commodity exhibition tool in places e.g. convenience store **, supermarket, installs stopper mechanism which restricts movement of commodity pushing board towards commodity removing portion of shelf board**
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2000350643	A	20001219	JP 99163331	A	19990610	200115	B

7/TI,PY/8 (Item 5 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Commodity display tool for use in e.g. convenience store **, supermarket**
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2000051021	A	20000222	JP 98224210	A	1998080	200022	B

7/TI,PY/9 (Item 6 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Commodity display tool for use in e.g. convenience store **, supermarket**
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2000051020	A	20000222	JP 98224209	A	1998080	200022	B

7/TI,PY/10 (Item 7 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Ink supply apparatus for offset duplicator used for printing newspaper converts detected ink flow in ink supply pipe to equivalent mass and adds converted mass value to obtain ink consumption amount
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2000025202	A	20000125	JP 98196314	A	1998071	200016	B

7/TI,PY/11 (Item 8 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Commodity exhibition shelf for e.g. supermarket, convenience store
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2000023802	A	20000125	JP 98198683	A	1998071	200016	B

7/TI,PY/12 (Item 9 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Operation controller for in-store controller in point of sales system in convenience store
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5889676	A	19990330	US 96657124	A	19960603	199920	B

7/TI,PY/13 (Item 10 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Data processor for merchandise management in e.g. convenience store **- has term controller that outputs waste indication message when expired products remain as management data in** management **file after checking** inventory **condition of specific products**
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 10116390	A	19980506	JP 97179335	A	19970704	199828	B

7/TI,PY/14 (Item 11 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Management system of image forming appts e.g. copier - draws up delivery plan of article of consumption and performs delivery indication based on

predicted inventory breakage time

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 8152814	A	19960611	JP 94297668	A	19941130	199633	B

7/TI,PY/15 (Item 12 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Onion cleaning equipment esp. for red onions - includes frame with adjustable legs, trestles supporting vibratable transfer trough, collision plates and side plates, etc.

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
HU 65720	T	19940728	HU 91147	A	19910117	199431	B

7/3,K/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO

06832732 **Image available**
DISTRIBUTION CONSIGNMENT SYSTEM

PUB. NO.: 2001-060226 [JP 2001060226 A]
PUBLISHED: March 06, 2001 (20010306)
INVENTOR(s): YAO SEIJI
APPLICANT(s): YAO SEIJI
APPL. NO.: 11-235381 [JP 99235381]
FILED: August 23, 1999 (19990823)

ABSTRACT

... seller and sends article sale information out, an article sale management agent activity 30 which **manages** the **stock** of articles sent from the seller and performs consignment management regarding the sale of an...

...collected article money in the account settlement agent institution such as a financial institution or **convenience store** , generates the sale total on confirming the reception of the money by the account settlement...

7/3,K/6 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014792856 **Image available**
WPI Acc No: 2002-613562/200266
XRPX Acc No: N02-486078
Management system for use in convenience store **, has server which enables to browse information terminals installed in maintenance or media supply firms with respect to detected abnormality**
Patent Assignee: DAINIPPON PRINTING CO LTD (NIPQ)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2002215821	A	20020802	JP 200114269	A	20010123	200266	B

Priority Applications (No Type Date): JP 200114269 A 20010123
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2002215821	A		7	G06F-017/60	

Management system for use in convenience store **, has server which enables to browse information terminals installed in maintenance or media supply firms...**

Abstract (Basic):
... terminals (8,10,20) installed in a shop, in the maintenance firm and in media **supply** firm, respectively. A **management** server (7) installed in the shop enables to browse any of the information terminals, when...
... For use in **convenience store** , shopping center, etc...

7/3,K/7 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX

013658240 **Image available**
WPI Acc No: 2001-142452/200115
XRPX Acc No: N01-104125
Commodity exhibition tool in places e.g. convenience store ,

supermarket, installs stopper mechanism which restricts movement of commodity pushing board towards commodity removing portion of shelf board

Patent Assignee: KAJUN KK (KAJU-N)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2000350643	A	20001219	JP 99163331	A	19990610	200115	B

Priority Applications (No Type Date): JP 99163331 A 19990610
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000350643	A		9	A47F-001/12	

Commodity exhibition tool in places e.g. convenience store , **supermarket, installs stopper mechanism which restricts movement of commodity pushing board towards commodity removing portion...**

Abstract (Basic):
... For commodity exhibition in places such as **convenience store** and supermarket...

...board from going near commodity removing portion. Offers accommodation of different sizes of commodities. Simplifies **stock management** by reliably preventing commodity dropping-out of place. Prevents damage being caused to exhibited commodities...

7/3,K/8 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX

013077206 **Image available**
WPI Acc No: 2000-249078/200022
XRPX Acc No: N00-186639
Commodity display tool for use in e.g. convenience store , **supermarket**
Patent Assignee: KAJUN KK (KAJU-N)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2000051021	A	20000222	JP 98224210	A	1998080	200022	B

Priority Applications (No Type Date): JP 98224210 A 19980807
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000051021	A		10	A47F-003/08	

Commodity display tool for use in e.g. convenience store , **supermarket**

Abstract (Basic):
... For exposing and displaying commodity in e.g. **convenience store** , supermarket...
...as commodity, from dropping out of shelf board. Reliably displays or exposes commodity. Decreases commodity **stock management** . Allow commodity to be easily drawn out from between partition boards without being blocked by...

7/3,K/12 (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX

012437280 **Image available**
WPI Acc No: 1999-243388/199920
XRPX Acc No: N99-181125
Operation controller for in-store controller in point of sales system in convenience store

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (MATU)
Inventor: KUBO J; LEE S; SHUTTLEWORTH M; TOKUMURA N
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5889676	A	19990330	US 96657124	A	19960603	199920	B

Priority Applications (No Type Date): US 96657124 A 19960603
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5889676	A		10	G06F-017/00	

Operation controller for in-store controller in point of sales system in convenience store

Abstract (Basic):
... For recording sales data and **managing** fuel **inventory** in **convenience store** .

7/3,K/13 (Item 10 from file: 350)
DIALOG(R)File 350:Derwent WPIX

011901159 **Image available**
WPI Acc No: 1998-318069/199828
XRPX Acc No: N98-249664
Data processor for merchandise management in e.g. convenience store - **has term controller that outputs waste indication message when expired products remain as management data in** management **file after checking** inventory **condition of specific products**
Patent Assignee: FUJITSU LTD (FUIT)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 10116390	A	19980506	JP 97179335	A	19970704	199828	B

Priority Applications (No Type Date): JP 96219818 A 19960821
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 10116390	A		7	G07G-001/12	

Data processor for merchandise management in e.g. convenience store - ...
...**term controller that outputs waste indication message when expired products remain as management data in** management **file after checking** inventory **condition of specific products**

12/TI,PY/1 (Item 1 from file: 347)
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

ADVERTISEMENT INFORMATION DISTRIBUTING SYSTEM, SERVER, PROGRAM, AND RECODING MEDIUM

PUBLISHED: January 31, 2003 (20030131)

12/TI,PY/2 (Item 2 from file: 347)
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

ELECTRONIC COUPON DISTRIBUTION SYSTEM, AND USER TERMINAL AND SHOP TERMINAL THEREOF

PUBLISHED: May 24, 2002 (20020524)

12/TI,PY/3 (Item 3 from file: 347)
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

SALES MANAGEMENT APPARATUS FOR SERVICE STATION

PUBLISHED: April 06, 1999 (19990406)

12/TI,PY/4 (Item 4 from file: 347)
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

SALES CONTROL SYSTEM FOR OIL-FEEDING STATION

PUBLISHED: April 06, 1999 (19990406)

12/TI,PY/5 (Item 5 from file: 347)
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

SALES MANAGEMENT APPARATUS FOR SERVICE STATION

PUBLISHED: April 06, 1999 (19990406)

12/TI,PY/6 (Item 6 from file: 347)
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

POS SYSTEM

PUBLISHED: October 16, 1992 (19921016)

12/TI,PY/7 (Item 1 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Real-time commodity sales system in stores e.g. supermarket, displays commodity sales information **received from central server, to consumer and** transmits **commodity sales results to central server**

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030078851	A1	20030424	US 2001983248	A	20011023	200346 B

12/TI,PY/8 (Item 2 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Sales management apparatus for online shopping, generates guide page containing information about designated marketing product, and updates

sales information **based on orders received with respect to product**
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2003085254	A	20030320	JP 2001278200	A	20010913	200333	B

12/TI,PY/9 (Item 3 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Point-of-sales transaction data management method for convenience store **, involves storing transaction data and sales time received through** transmission **line from POS terminals, immediately in primary database of server**
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2003067852	A	20030307	JP 2001260820	A	20010830	200329	B

12/TI,PY/10 (Item 4 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Electronic coupon distribution system for book sales through Internet transmits **electronic discount coupon to user terminal when user orders for book from book shop server**
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2002150105	A	20020524	JP 2001236998	A	20010803	200324	B

12/TI,PY/11 (Item 5 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Information providing apparatus e.g. POS terminal, gives right to display desired information on display of POS terminal, if display application command is included in display information transmission **command**
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020159088	A1	20021031	US 200296278	A	20020313	200319	B
JP 2002324275	A	20021108	JP 2001127225	A	20010425	200319	

12/TI,PY/12 (Item 6 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

On-line announcement system for use in supermarket, transmits **audio** sales information **to consumer's mobile telephone based on consumer request, on receiving report information**
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2002318960	A	20021031	JP 2001124147	A	20010423	200315	B

12/TI,PY/13 (Item 7 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Data processing method for convenience **and chain** stores **, involves** transmitting **address data identifying address for goods delivery service, from mobile phone to POS terminal**
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020116217	A1	20020822	US 200279592	A	20020222	200301	B
JP 2002251435	A	20020906	JP 200146315	A	20010222	200301	

12/TI,PY/14 (Item 8 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Sales data **processing method for point-of-sale system installed in stores, involves executing** sales data **processing with respect to ticket printing by using data received from cellular phone**

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020103707	A1	20020801	US 200257927	A	20020129	200272	B
JP 2002230648	A	20020816	JP 200121519	A	20010130	200272	

12/TI,PY/15 (Item 9 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Electronic ticket issuing management system detects telephone number of portable terminal from which ticket purchasing request is received, for issuing electronic ticket

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2002203161	A	20020719	JP 2000403348	A	20001228	200267	B

12/TI,PY/16 (Item 10 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Point-of-sales system for supermarket, has base station storing receiving result file recording communication **condition of each mobile unit with respect to inquiry of** sales data **to each mobile unit**

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2002109642	A	20020412	JP 2000296843	A	20000928	200242	B

12/TI,PY/17 (Item 11 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Goods sale data **management system in supermarket,** convenience store , transmits **goods information along with password generated corresponding to each receipt issued by POS terminal for purchase of goods by user, to server**

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2002092744	A	20020329	JP 2000283161	A	20000919	200237	B

12/TI,PY/18 (Item 12 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Receipt totaling system extracts stored selling information **corresponding to receipt ID input by customer, for calculating total privilege score corresponding to customer**

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2001357460	A	20011226	JP 2000181067	A	20000616	200219	B

12/TI,PY/19 (Item 13 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Point of sales system in departmental store, has store server which corrects sales data **file based on mismatch in balance money with respect to transaction and sales**

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2001250168	A	20010914	JP 200061111	A	20000306	200172	B

12/TI,PY/20 (Item 14 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Store control system e.g. for supermarkets, has terminal equipment which collects data and goods data from different controller and point-of- sale information **management terminals which are connected to network**
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2001188968	A	20010710	JP 99371922	A	19991227	200170	B

12/TI,PY/21 (Item 15 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Goods selling information **processing management system for use in** convenience store transmits **image information obtained by camera to image management apparatus via network**
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2000152209	A	20000530	JP 98320706	A	19981111	200038	B

12/TI,PY/22 (Item 16 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Purchase information **management system, calls** purchase information **on buyer relevant to purchase of goods, that is recorded in network directory and then displays it**
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2000040100	A	20000208	JP 98208825	A	1998072	200018	B

12/TI,PY/23 (Item 17 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Selling information **management system for e.g. retail store,** convenience store **, supermarket - has accounting program that performs accounting to point of sale terminal with reference to price information in data from price look-up processing program**
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 11161852	A	19990618	JP 97329161	A	19971128	199935	B

12/TI,PY/24 (Item 18 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Goods selling data **registration apparatus e.g. POS terminal installed in departmental stores, supermarket,** convenience store **- has message memory which stores received message data when it is confirmed that operator identification code is not undersigned**
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 10172068	A	19980626	JP 96333979	A	19961213	199836	B
JP 3285507	B2	20020527	JP 96333979	A	19961213	200241	

12/TI,PY/25 (Item 19 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Sales data **registration processor e.g. for POS system in supermarket store, restaurants, departmental store,** convenience store **- outputs applicable message in operator side and customer side display unit based on distinguishing result of received variety of message data**
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 10134257	A	19980522	JP 96288455	A	19961030	199831	B

12/TI,PY/26 (Item 20 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Sales data **accumulation system e.g. for** convenience store **connected to network - has updating unit which updates predefined** sales data **stored in user master file based on** sales data **calculated by** sales data **calculation unit**

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 10124754	A	19980515	JP 96274856	A	19961017	199830	B
JP 2965518	B2	19991018	JP 96274856	A	19961017	199949	

12/TI,PY/27 (Item 21 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Wireless sales data communication **system using near infrared rays for automatic vending machine - in which recommunication is tried after altering data transfer rate if reference data pattern for** communication **inspection is not received normally by receiver**

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 9321703	A	19971212	JP 96134877	A	19960529	199809	B

12/TI,PY/28 (Item 22 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Purchase data **adding system for e.g. retail store,** convenience store **- automatically places purchase result data received by host computer from distributed computer to group of purchase result data to which received purchase result data belongs**

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 9231286	A	19970905	JP 9661989	A	19960223	199746	B

12/3,K/3 (Item 3 from file: 347)
DIALOG(R)File 347:JAPIO

06150350 **Image available**
SALES MANAGEMENT APPARATUS FOR SERVICE STATION

PUB. NO.: 11-091890 [JP 11091890 A]
PUBLISHED: April 06, 1999 (19990406)
INVENTOR(s): TATSUNO HIYOSHI
APPLICANT(s): TATSUNO CORP
APPL. NO.: 09-275199 [JP 97275199]
FILED: September 22, 1997 (19970922)

ABSTRACT
...TO BE SOLVED: To enable primary management of sales at a service station with a **convenience store** attached, by controlling article sales fro each meter and article sales from an input machine, and by classifying the article **sales data** for **transmitting** each classified data to a corresponding host computer.

SOLUTION: Each meter 2 of a service...

... to a sale management apparatus 4 provided at a management center 3. Sales at a **convenience store** 6 attached to the management center 3 are checked by the sale management apparatus 4. The sale management apparatus 4 classifies article **sale data** and **transmits** each classified data via a **communication** line 7 to a computer 8 at a petroleum delivery center, a computer 9 at...

12/3,K/4 (Item 4 from file: 347)
DIALOG(R)File 347:JAPIO

06150349 **Image available**
SALES CONTROL SYSTEM FOR OIL-FEEDING STATION

PUB. NO.: 11-091889 [JP 11091889 A]
PUBLISHED: April 06, 1999 (19990406)
INVENTOR(s): TATSUNO HIYOSHI
APPLICANT(s): TATSUNO CORP
APPL. NO.: 09-275198 [JP 97275198]
FILED: September 22, 1997 (19970922)

ABSTRACT
... can be materialized with less amount of investment at an oil-feeding station having a **convenience store** as its annex, and direct access to computers at every center can be made possible, reducing cost for **communication** .

SOLUTION: A sales control system for oil-feeding station is composed of a sales control...

... 4 connected to a plurality of metering apparatuses 2 and having functions for controlling commodities **sales data** from each of the metering apparatuses 2, controlling commodities **sales data** from input devices and **transmitting** commodities **sales data** and a server 8 having functions for classifying the commodities **sales data** received from the sales control device 4 and **transmitting** the classified commodities **sales data** in accordance with the classification.

12/3,K/5 (Item 5 from file: 347)

DIALOG(R)File 347:JAPIO

06150348 **Image available**
SALES MANAGEMENT APPARATUS FOR SERVICE STATION

PUB. NO.: 11-091888 [JP 11091888 A]
PUBLISHED: April 06, 1999 (19990406)
INVENTOR(s): TATSUNO HIYOSHI
APPLICANT(s): TATSUNO CORP
APPL. NO.: 09-275197 [JP 97275197]
FILED: September 22, 1997 (19970922)

ABSTRACT

PROBLEM TO BE SOLVED: To unitarily manage article sales at a service station with a **convenience store** attached by including function for controlling article sales from respective meters, function for controlling article sales from a keyboard or a bar code reader and function for **transmitting** article **sales data** .

SOLUTION: A meter 2 is provided at each service station 1. The meter 2 is connected to a sales management apparatus 4 provided at a management center 3, wherein article **sales data** at the service station 1 is sent from the sales management apparatus 4 to a...
... a signal received sent from the computer 8 of the service station 1 via a **communication** line 7. In addition, articles at a **convenience store** 6 attached to the management center 3 are checked by the sales management apparatus 4 to cause the apparatus 4 to manage **sales data** from a keyboard 43 or a bar code reader 45. The computer 8 classifies article **sales data** from the service station 1 and from the **convenience store** 6 and sends each of classified data to a corresponding portion among centers 10 to 12 via a **communication** line 9.

12/3,K/6 (Item 6 from file: 347)
DIALOG(R)File 347:JAPIO

03928098 **Image available**
POS SYSTEM

PUB. NO.: 04-293198 [JP 4293198 A]
PUBLISHED: October 16, 1992 (19921016)
INVENTOR(s): SAKURAI MASAHIKO
MUNAKATA KOJI
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 03-081964 [JP 9181964]
FILED: March 20, 1991 (19910320)
JOURNAL: Section: P, Section No. 1495, Vol. 17, No. 105, Pg. 14, March 03, 1993 (19930303)

ABSTRACT

... selling time point control system at the distribution industry, especially, a mass selling store, a **convenience store** and a department store...

... by a casher, and the registration terminal 10 has a means 14 to input the **sale information** of the merchandise, a means 16 to register the inputted **sale information** and a means 18 to **transmit** the registered information by radio, and the adjustment terminal 12 has a means 20 to get the information **transmitted** by the registration terminal 10 and a means 22 to perform the adjustment processing of...

12/3,K/14 (Item 8 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014853339 **Image available**
WPI Acc No: 2002-674045/200272
XRPX Acc No: N02-532961
Sales data processing method for point-of-sale system installed in stores, involves executing sales data processing with respect to ticket printing by using data received from cellular phone
Patent Assignee: TOKYO ELECTRIC CO LTD (TODK); TOSHIBA TEC KK (TOSH-N)
Inventor: GOMI Y; MAKINO M; TAKEUCHI M
Number of Countries: 002 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020103707	A1	20020801	US 200257927	A	20020129	200272	B
JP 2002230648	A	20020816	JP 200121519	A	20010130	200272	

Priority Applications (No Type Date): JP 200121519 A 20010130
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020103707	A1		16	G06F-017/60	
JP 2002230648	A		12	G07G-001/12	

Sales data processing method for point-of-sale system installed in stores, involves executing sales data processing with respect to ticket printing by using data received from cellular phone

Abstract (Basic):
... The **sales data transmitted** from a cellular phone is received by a data processing apparatus during execution of data...
... For processing **sales data** of point-of-sale (POS) system installed in **convenience stores** consigned for ticketing operation of concert tickets, air tickets, travel tickets, etc...

12/3,K/16 (Item 10 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014569057 **Image available**
WPI Acc No: 2002-389760/200242
XRPX Acc No: N02-305709
Point-of-sales system for supermarket, has base station storing receiving result file recording communication condition of each mobile unit with respect to inquiry of sales data to each mobile unit
Patent Assignee: NITTSUKO KK (NITT-N)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2002109642	A	20020412	JP 2000296843	A	20000928	200242	B

Priority Applications (No Type Date): JP 2000296843 A 20000928
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2002109642	A		7	G07G-001/12	

Point-of-sales system for supermarket, has base station storing receiving result file recording communication condition of each mobile unit with respect to inquiry of sales data to each mobile unit

Abstract (Basic):
... Base station (10a) stores the receiving result file recording the receiving result indicating the **communication** condition of each mobile unit (10b-10d) with respect to the inquiry of **sales data** performed to each mobile unit.

... Point-of-sales system for supermarket, **convenience store** .
...

...Prevents the reduction of the accuracy of the **sales data** due to the generation of **communication** error between the base station and the mobile unit
...Title Terms: **COMMUNICATE** ;

12/3,K/17 (Item 11 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014515170 **Image available**
WPI Acc No: 2002-335873/200237
XRPX Acc No: N02-264233
Goods sale data **management system in supermarket,** convenience store , transmits **goods information along with password generated corresponding to each receipt issued by POS terminal for purchase of goods by user, to server**
Patent Assignee: NEC CORP (NIDE)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2002092744	A	20020329	JP 2000283161	A	20000919	200237	B

Priority Applications (No Type Date): JP 2000283161 A 20000919
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2002092744	A		10	G07G-001/12	

Goods sale data **management system in supermarket,** convenience store , transmits **goods information along with password generated corresponding to each receipt issued by POS terminal for...**

Abstract (Basic):
... for purchase of goods by a user (6). The goods information and the password are **transmitted** to a server (4) where they are stored. When the user accesses the server through...

...network (7) and inputs the password printed in the receipt, the corresponding goods information is **transmitted** to the user.
... a) Goods **sale data** management method; and...

...b) Recorded medium storing goods **sale data** management program...

...For managing data about sale of goods in supermarket, **convenience store** , etc...

...The figure shows the components of goods **sale data** management system. (Drawing includes non-English language text...
...Title Terms: **TRANSMIT** ;

12/3,K/26 (Item 20 from file: 350)
DIALOG(R)File 350:Derwent WPIX

011921577 **Image available**
WPI Acc No: 1998-338487/199830
XRPX Acc No: N98-264691
Sales data **accumulation system e.g. for** convenience store **connected to network - has updating unit which updates predefined** sales data **stored in user master file based on** sales data **calculated by** sales data **calculation unit**
Patent Assignee: KONETTO KK (KONE-N)

Number of Countries: 001 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 10124754	A	19980515	JP 96274856	A	19961017	199830	B
JP 2965518	B2	19991018	JP 96274856	A	19961017	199949	

Priority Applications (No Type Date): JP 96274856 A 19961017
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 10124754	A		9	G07G-001/12	
JP 2965518	B2		8	G07G-001/12	Previous Publ. patent JP 10124754

Sales data **accumulation system e.g. for** convenience store **connected to network...**

...has updating unit which updates predefined sales data **stored in user master file based on** sales data **calculated by** sales data **calculation unit**

...Abstract (Basic): The system performs addition of **sales data** corresponding to user's sales acquisition depending on sales at time of user utilizing a **convenience store** (101). A **convenience store** (5) **stores** the sales reduction rate data (12) and a user master file (20) stores predefined **sales data** (22). A data receiving unit (30) receives **sales data transmitted** from the **convenience store** through a network (100...

...A **sales data** calculation unit (40) calculates the **sales data** based on sales reduction rate data and the received **sales data** . A **sales data** addition unit adds calculated **sales data** to predefined data stored in user master file. An updating unit (60) updates predefined **sales data** of user master file...

14/TI,PY/1 (Item 1 from file: 347)
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

METHOD FOR MANAGING SALE OF COSMETICS

PUBLISHED: December 26, 2002 (20021226)

14/TI,PY/2 (Item 2 from file: 347)
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

PRODUCTION OF MADE-TO-ORDER CLOTHING BASED ON QUICK RESPONSE **COMMUNICATION** NETWORKING, PRODUCTION **COMMUNICATION** SYSTEM THEREFOR AND INFORMATION STORAGE MEDIUM

PUBLISHED: April 27, 2001 (20010427)

14/TI,PY/3 (Item 3 from file: 347)
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

SALES **STOCK** **MANAGING** SYSTEM AND STORAGE MEDIUM STORING PROGRAM FOR REALIZING THE SYSTEM

PUBLISHED: April 07, 2000 (20000407)

14/TI,PY/4 (Item 1 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Programmable apparatus for vehicle dealership management system, has customer service representative workstations located at dealership sites to display GUI screens containing icons activating specific functions and data

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020024537	A1	20020228	US 2000210905	P	20000612	200314	B
			US 2001785462	A	20010220		
CA 2348168	A1	20011212	CA 2348168	A	20010518	200321	

14/TI,PY/5 (Item 2 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Pharmacy management **method involves performing** inventory **control of each pharmacy based on inventory database produced using** sale data **and delivery data of different pharmacies**

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2001331708	A	20011130	JP 2000149192	A	20000522	200211	B

14/3,K/3 (Item 3 from file: 347)
DIALOG(R)File 347:JAPIO

06513877 **Image available**
SALES **STOCK** **MANAGING** SYSTEM AND STORAGE MEDIUM STORING PROGRAM FOR REALIZING THE SYSTEM

PUB. NO.: 2000-099594 [JP 2000099594 A]
PUBLISHED: April 07, 2000 (20000407)
INVENTOR(s): SHIBATA EIICHI
NAKANISHI SOICHIRO
APPLICANT(s): HITACHI INFORMATION SYSTEMS LTD
APPL. NO.: 10-269630 [JP 98269630]
FILED: September 24, 1998 (19980924)

SALES **STOCK** **MANAGING** SYSTEM AND STORAGE MEDIUM STORING PROGRAM FOR REALIZING THE SYSTEM

ABSTRACT

PROBLEM TO BE SOLVED: To provide a VMI-type sales **stock** **managing** system without burdening any one of retailer and **wholesaler** in a system operation.

SOLUTION: An information processor arranged at the side of the retailer... ... center is connected to the network. The information processor 10 of the management center collects **sales** **data** and stock data from the information processor arranged at the side of the retailer, edits shipment instruction information and **transmits** the editing data to the information processor at the shipment side of the commodity. Besides...

... program respectively to the information processor at the retailer side and the commodity shipment side. **Sales** **data** , stock data and shipment instruction data are exchanged between the agent program and the WEB...

14/3,K/5 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014260052 **Image available**
WPI Acc No: 2002-080750/200211
XRPX Acc No: N02-060166
Pharmacy management **method involves performing** inventory **control of each pharmacy based on inventory database produced using** sale data **and delivery data of different pharmacies**
Patent Assignee: GREEN MEDICAL KK (GREE-N)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2001331708	A	20011130	JP 2000149192	A	20000522	200211	B

Priority Applications (No Type Date): JP 2000149192 A 20000522
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2001331708	A		4	G06F-017/60	

Pharmacy management **method involves performing** inventory **control of each pharmacy based on inventory database produced using** sale data **and delivery data of different pharmacies**
Abstract (Basic):
... The terminals of different pharmacies are connected to the **supplier** 's terminal through a network. The **sale** **data** corresponding to each pharmacy is **transmitted** to the center. Inventory control of each pharmacy is performed, based on the inventory database produced using **transmitted** data and novel delivery data newly supplied to each

pharmacy.

... For managing transactions between **supplier** , pharmacy and hospital, etc...

16/TI,PY/1 (Item 1 from file: 347)
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

METHOD FOR MANAGING SALE OF COSMETICS

PUBLISHED: December 26, 2002 (20021226)

16/TI,PY/2 (Item 2 from file: 347)
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

SYSTEM AND METHOD FOR **NETWORK** SETTLEMENT, AND **INVENTORY MANAGEMENT** PROGRAM

PUBLISHED: December 06, 2002 (20021206)

16/TI,PY/3 (Item 3 from file: 347)
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

METHOD FOR SUPPLYING MEDICAL DEVICE TO MEDICAL INSTITUTION AND SYSTEM FOR CONFIRMING MEDICAL DEVICE INVENTORY

PUBLISHED: May 10, 2002 (20020510)

16/TI,PY/4 (Item 4 from file: 347)
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

METHOD AND SYSTEM FOR MANAGING MEDICAL IMPLEMENT

PUBLISHED: May 10, 2002 (20020510)

16/TI,PY/5 (Item 5 from file: 347)
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

METHOD AND SYSTEM FOR PHARMACEUTICAL BUSINESS MANAGEMENT

PUBLISHED: November 30, 2001 (20011130)

16/TI,PY/6 (Item 6 from file: 347)
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

RELAY SYSTEM AND ELECTRONIC COMMERCE METHOD USING THE SAME RELAY SYSTEM

PUBLISHED: November 30, 2001 (20011130)

16/TI,PY/7 (Item 7 from file: 347)
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

DISPLAY METHOD AND **MANAGEMENT** METHOD IN PART **SUPPLY MANAGEMENT** SYSTEM

PUBLISHED: September 04, 2001 (20010904)

16/TI,PY/8 (Item 8 from file: 347)
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

DEVICE AND METHOD FOR ARTICLE DELIVERY SERVICE USING STANDARD ARTICLE INFORMATION THROUGH COMPUTER **COMMUNICATION NETWORK**

PUBLISHED: August 17, 2001 (20010817)

16/TI,PY/9 (Item 9 from file: 347)
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

PRODUCTION OF MADE-TO-ORDER CLOTHING BASED ON QUICK RESPONSE **COMMUNICATION NETWORKING** , PRODUCTION **COMMUNICATION** SYSTEM THEREFOR AND INFORMATION STORAGE MEDIUM

PUBLISHED: April 27, 2001 (20010427)

16/TI,PY/10 (Item 10 from file: 347)
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

METHOD AND SYSTEM FOR MANAGING PRODUCTION MAKING QUICK RESPONSE ON **COMMUNICATION NETWORK** AND INFORMATION STORAGE MEDIUM

PUBLISHED: April 27, 2001 (20010427)

16/TI,PY/11 (Item 1 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Reservation request processing method for inventory items, involves identifying inventory data matching with reservation request and generating reservation transaction, reservation items and reservation inventory records

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20030036929	A1	20030220	US 2001932263	A	20010817	200344	B
WO 200317039	A2	20030227	WO 2002US25487	A	20020809	200344	

16/TI,PY/12 (Item 2 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Inventory management **system for effecting reply of possible future component parts supply from parts** supplier ; informs **component part** supplier **via** network **connection of proportion of component parts listed in document**

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
GB 2380273	A	20030402	GB 200123068	A	20010926	200343	B

16/TI,PY/13 (Item 3 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Network **based business management method for electric power generation company, involves producing respective electricity load profile for use by energy** supplier **for deciding specific activities**

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20030041016	A1	20030227	US 2001290168	P	20010510	200339	B
			US 2002142519	A	20020510		

16/TI,PY/14 (Item 4 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Electronic order and inventory management **system for restaurant, has host computer that** transmits **signal indicating order for additional quantity, to** vendor **computer when inventory quantity is less than preset value**

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week

US 20030036977 A1 20030220 US 2001929785 A 20010814 200339 B

16/TI,PY/15 (Item 5 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Method for constructing online franchise shopping mall
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
KR 2003012919 A 20030212 KR 20032662 A 20030115 200339 B

16/TI,PY/16 (Item 6 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Parts inventory management **system capable of commanding parts** supplier **to quickly restore expected part supply quantity**
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
CN 1400554 A 20030305 CN 2001123908 A 20010802 200338 B

16/TI,PY/17 (Item 7 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Network **-based** supply chain **collaboration method for** inventory management **applications, involves** transmitting **constrained forecast to** suppliers **, so as to receive formal commitment from** suppliers
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
US 20030018546 A1 20030123 US 2001910544 A 20010720 200336 B

16/TI,PY/18 (Item 8 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Object oriented system for supporting various workflow processes, generates emergent behavior that correlates with real world workflow processes, by interaction of objects within virtual **environment**
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
US 20030018490 A1 20030123 US 2001303570 P 20010706 200325 B
US 2002190891 A 20020708

16/TI,PY/19 (Item 9 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Supply logistics **method in electronic-commerce, involves routing product order received from customer to** vendor **through** communication network **, after order confirmation and alerting shipping agent through** communication network
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
US 20030018547 A1 20030123 US 2001761517 A 20010116 200324 B

16/TI,PY/20 (Item 10 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Product supply chain management **system using** communication network **, has management apparatus that corrects product consumption prediction and product delivery plan based on request from** distributor **terminal**
Patent Family:
Patent No Kind Date Applicat No Kind Date Week

WO 200314991	A1	20030220	WO 2002JP7964	A	20020805	200323	B
JP 2003048621	A	20030221	JP 2001238374	A	20010806	200330	

16/TI,PY/21 (Item 11 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Web trading system for electronic manufacturing industry, has virtual **hub web that sets up major window control mechanism to allow clients to register, inquire and** transmit **data**

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020174057	A1	20021121	US 2002138125	A	20020502	200319	B
JP 2003022379	A	20030124	JP 2002143470	A	20020517	200319	

16/TI,PY/22 (Item 12 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Virtual **hub for industry, provides security levels to prevent attacks from external hackers and computer viruses and performs** inventory management **so that** inventory **data on web represent actual inventory data**

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020174039	A1	20021121	US 2002123673	A	20020416	200315	B
JP 2003006425	A	20030110	JP 2002127379	A	20020426	200315	

16/TI,PY/23 (Item 13 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Pharmaceutical products distribution method for hospitals, doctors, involves directly supplying **disease** management **program's related materials in conjunction with counterpart pharmaceutical product, to patient by** supplier

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020111828	A1	20020815	US 2000242996	P	20001025	200305	B
			US 200137763	A	20011023		

16/TI,PY/24 (Item 14 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Supply chain **data handling method for design-to-order industries, involves** transmitting **and transforming** supply chain **data from source to destination, based on their respective sets of rules**

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020133359	A1	20020919	US 2000748432	A	20001226	200302	B

16/TI,PY/25 (Item 15 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Supply chain **information** management **method for intelligent procurement of order through electronic** network **, involves creating delivery order corresponding to purchase order, for access by buyer**

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020138290	A1	20020926	US 2000255156	A	20001214	200279	B
			US 200114789	A	20011214		

16/TI,PY/26 (Item 16 from file: 350)

Tracking performance of distributors by using data received from stores

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200277917	A1	20021003	WO 2002US8287	A	20020319	200276	B
US 20030014299	A1	20030116	US 2001816424	A	20010323	200308	
US 20030018513	A1	20030123	US 2001834600	A	20010413	200310	
US 20030009386	A1	20030109	US 2001816421	A	20010323	200311	
US 20030023464	A1	20030130	US 2001816422	A	20010323	200311	
US 20030023520	A1	20030130	US 2001815590	A	20010323	200311	
US 20030023558	A1	20030130	US 2001815559	A	20010323	200311	
US 20030028412	A1	20030206	US 2001815660	A	20010323	200313	
US 20030040986	A1	20030227	US 2001815731	A	20010323	200318	
US 20030041001	A1	20030227	US 2001815489	A	20010323	200318	
US 20030046089	A1	20030306	US 2001816430	A	20010323	200320	
US 20030046120	A1	20030306	US 2001816434	A	20010323	200320	
US 20030046121	A1	20030306	US 2001816454	A	20010323	200320	
US 20030046136	A1	20030306	US 2001815715	A	20010323	200320	
US 20030046190	A1	20030306	US 2001816922	A	20010323	200320	
US 20030046214	A1	20030306	US 2001816488	A	20010323	200320	
US 20030048301	A1	20030313	US 2001816101	A	20010323	200321	
US 20030050807	A1	20030313	US 2001816388	A	20010323	200321	
US 20030050808	A1	20030313	US 2001816427	A	20010323	200321	
US 20030050809	A1	20030313	US 2001816503	A	20010323	200321	
US 20030050822	A1	20030313	US 2001815813	A	20010323	200321	
US 20030050823	A1	20030313	US 2001816285	A	20010323	200321	
US 20030050828	A1	20030313	US 2001816431	A	20010323	200321	
US 20030050845	A1	20030313	US 2001815777	A	20010323	200321	
US 20030050859	A1	20030313	US 2001816553	A	20010323	200321	
US 20030050867	A1	20030313	US 2001816507	A	20010323	200321	
US 20030050868	A1	20030313	US 2001816567	A	20010323	200321	
US 20030055692	A1	20030320	US 2001816314	A	20010323	200323	
US 20030055693	A1	20030320	US 2001816357	A	20010323	200323	
US 20030055694	A1	20030320	US 2001816471	A	20010323	200323	
US 20030055700	A1	20030320	US 2001816543	A	20010323	200323	
US 20030055704	A1	20030320	US 2001815725	A	20010323	200323	
US 20030055708	A1	20030320	US 2001815727	A	20010323	200323	
US 20030055709	A1	20030320	US 2001816358	A	20010323	200323	
US 20030055710	A1	20030320	US 2001816576	A	20010323	200323	
US 20030055731	A1	20030320	US 2001815830	A	20010323	200323	
US 20030055734	A1	20030320	US 2001816033	A	20010323	200323	
US 20030055750	A1	20030320	US 2001816296	A	20010323	200323	
US 20030061084	A1	20030327	US 2001816249	A	20010323	200325	
US 20030061102	A1	20030327	US 2001815973	A	20010323	200325	
US 20030061124	A1	20030327	US 2001816121	A	20010323	200325	
US 20030061125	A1	20030327	US 2001816536	A	20010323	200325	
US 20030061130	A1	20030327	US 2001816160	A	20010323	200325	
US 20030061174	A1	20030327	US 2001815845	A	20010323	200325	
US 20030065541	A1	20030403	US 2001816231	A	20010323	200325	
US 20030065549	A1	20030403	US 2001815515	A	20010323	200325	
US 20030065550	A1	20030403	US 2001816021	A	20010323	200325	
US 20030065551	A1	20030403	US 2001816151	A	20010323	200325	
US 20030065557	A1	20030403	US 2001816428	A	20010323	200325	
US 20030065627	A1	20030403	US 2001816069	A	20010323	200325	
US 20030066886	A1	20030410	US 2001815580	A	20010323	200327	
US 20030069766	A1	20030410	US 2001815490	A	20010323	200327	
US 20030069767	A1	20030410	US 2001815598	A	20010323	200327	
US 20030069768	A1	20030410	US 2001815734	A	20010323	200327	
US 20030069769	A1	20030410	US 2001815893	A	20010323	200327	
US 20030069770	A1	20030410	US 2001815897	A	20010323	200327	
US 20030069771	A1	20030410	US 2001816187	A	20010323	200327	
US 20030069774	A1	20030410	US 2001834924	A	20010413	200327	
US 20030069778	A1	20030410	US 2001816413	A	20010323	200327	
US 20030069779	A1	20030410	US 2001816944	A	20010323	200327	
US 20030069786	A1	20030410	US 2001816075	A	20010323	200327	

US 20030069791	A1	20030410	US 2001816537	A	20010323	200327	
US 20030069794	A1	20030410	US 2001815729	A	20010323	200327	
US 20030069798	A1	20030410	US 2001816083	A	20010323	200327	
US 20030069799	A1	20030410	US 2001816582	A	20010323	200327	
US 20030069813	A1	20030410	US 2001815759	A	20010323	200327	
US 20030069814	A1	20030410	US 2001816429	A	20010323	200327	
US 20030069818	A1	20030410	US 2001815899	A	20010323	200327	
US 20030069823	A1	20030410	US 2001816203	A	20010323	200327	
US 20030069824	A1	20030410	US 2001816426	A	20010323	200327	
US 20030069825	A1	20030410	US 2001816495	A	20010323	200327	
US 20030069859	A1	20030410	US 2001816491	A	20010323	200327	
US 20030074205	A1	20030417	US 2001815668	A	20010323	200329	
US 20030074206	A1	20030417	US 2001816268	A	20010323	200329	
US 20030074237	A1	20030417	US 2001816269	A	20010323	200329	
US 20030074238	A1	20030417	US 2001816331	A	20010323	200329	
US 20030074239	A1	20030417	US 2001816881	A	20010323	200329	
US 20030074249	A1	20030417	US 2001816092	A	20010323	200329	
US 20030074250	A1	20030417	US 2001834838	A	20010413	200329	
US 20030074262	A1	20030417	US 2001815688	A	20010323	200329	
US 20030074263	A1	20030417	US 2001815894	A	20010323	200329	
US 20030074264	A1	20030417	US 2001816564	A	20010323	200329	
US 20030074281	A1	20030417	US 2001816455	A	20010323	200329	
US 20030074285	A1	20030417	US 2001816167	A	20010323	200329	
US 20030074355	A1	20030417	US 2001815989	A	20010323	200329	
US 20030078787	A1	20030424	US 2001815606	A	20010323	200330	
US 20030078818	A1	20030424	US 2001816048	A	20010323	200330	
US 20030078819	A1	20030424	US 2001816555	A	20010323	200330	
US 20030078827	A1	20030424	US 2001815792	A	20010323	200330	
US 20030078845	A1	20030424	US 2001815864	A	20010323	200330	
US 20030078846	A1	20030424	US 2001816560	A	20010323	200330	
US 20030078860	A1	20030424	US 2001816349	A	20010323	200330	
US 20030078861	A1	20030424	US 2001816976	A	20010323	200330	
US 20030083909	A1	20030501	US 2001816212	A	20010323	200331	
US 20030083918	A1	20030501	US 2001816896	A	20010323	200331	
US 20030083947	A1	20030501	US 2001834465	A	20010413	200331	
US 20030097317	A1	20030522	US 2001816412	A	20010323	200336	
US 20030088474	A1	20030508	US 2001816420	A	20010323	200337	
US 20030088449	A1	20030508	US 2001816565	A	20010323	200337	

16/TI,PY/27 (Item 17 from file: 350)

Virtual **business model usage for Internet based business activities, involves providing contracting business for coordinating among** virtual **alliances, to establish control over product manufacture and distribution**

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020087336	A1	20020704	US 2000750833	A	20001229	200273	B

16/TI,PY/28 (Item 18 from file: 350)

Material supplying system using network

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
KR 2002021840	A	20020323	KR 200054554	A	20000918	200265	B

16/TI,PY/29 (Item 19 from file: 350)

Medical device production- supply **information** management **system for** inventory **control, receives implanted medical devices customization and other related data from programming unit of patient to control device**

production
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020077850	A1	20020620	US 2000180289	P	20000204	200264	B
			US 2001775262	A	20010201		

16/TI,PY/30 (Item 20 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Server for supply **-based** management **system has multiple business process entity beans and** notification **manager to manage** transmission **of messages from sender to recipient**
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020077958	A1	20020620	US 2000742848	A	20001220	200263	B

16/TI,PY/31 (Item 21 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Electronic business to electronic business portal manages set of resource users and resource managers, and uses web management application to dynamically alter user interface
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6381579	B1	20020430	US 98113817	P	19981223	200248	B
			US 99336365	A	19990617		

16/TI,PY/32 (Item 22 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Fulfilment management system for managing available-to-promise (ATP) data in distributed supply chain **environment; determines ATP response for each component ATP request using retrieved product availability information**
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200229687	A1	20020411	WO 2001US31317	A	20011005	200242	B
AU 200213047	A	20020415	AU 200213047	A	20011005	200254	

16/TI,PY/33 (Item 23 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Product/service trading method for shopping mall, involves maintaining server system to store inventory of products/services offered by supplier **and data related to customer**
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020026380	A1	20020228	US 2000225150	P	20000814	200240	B
			US 2001927661	A	20010810		

16/TI,PY/34 (Item 24 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Computer network **based system for conducting liquid exchange in discreet segment of commodity goods market comprises market participants,** network **access device, computer** network **, and electronic product trading center**
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200177965	A2	20011018	WO 2001US11617	A	20010410	200226	B
AU 200151500	A	20011023	AU 200151500	A	20010410	200226	

US 20020026403	A1	20020228	US 2000195778	P	20000410	200241	
			US 2000202752	P	20000508		
			US 2001829529	A	20010410		
EP 1277150	A1	20030122	EP 2001924888	A	20010410	200308	
			WO 2001US11617	A	20010410		

16/TI,PY/35 (Item 25 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Electronic commerce enabling method for component supply e.g. for vehicle, involves operating order processing unit in response to signal from remote processing system, transmitted based on hypermedia link selection

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20010034656	A1	20011025	US 99168130	P	19991130	200226	B
			US 2001725718	A	20010223		

16/TI,PY/36 (Item 26 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Method for managing **commodity** supplying network **and recording medium being read by computer recording program related to the same**

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
KR 2001082780	A	20010831	KR 200133394	A	20010614	200216	B

16/TI,PY/37 (Item 27 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Seamless payment and settlement of goods and services via Internet involves connecting demand deposits and cash management accounts to Internet and performing universal account reconciliation method

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20010032139	A1	20011018	US 99168888	P	19991203	200211	B
			US 2000727050	A	20001130		

16/TI,PY/38 (Item 28 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Pharmacy management **method involves performing** inventory **control of each pharmacy based on inventory database produced using sale data and delivery data of different pharmacies**

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2001331708	A	20011130	JP 2000149192	A	20000522	200211	B

16/TI,PY/39 (Item 29 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

System for integrated supply chain management **between factories,** wholesalers **, retailers and customers which provides real time access to critical data**

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200191002	A2	20011129	WO 2001US16315	A	20010521	200208	B
US 20020013721	A1	20020131	US 2000206153	P	20000522	200210	
			US 2001860829	A	20010521		
AU 200161784	A	20011203	AU 200161784	A	20010521	200221	
EP 1287473	A2	20030305	EP 2001935716	A	20010521	200319	

			WO 2001US16315	A	20010521		
BR 200110904	A	20030311	BR 200110904	A	20010521	200323	
			WO 2001US16315	A	20010521		

16/TI,PY/40 (Item 30 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Responsive manufacturing and inventory control for implanted medical device manufacture or supply using wireless link **to manufacturer to collect information for various build to order scenarios**

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200156654	A1	20010809	WO 2001US3417	A	20010202	200201	B
EP 1255586	A1	20021113	EP 2001906905	A	20010202	200282	
			WO 2001US3417	A	20010202		

16/TI,PY/41 (Item 31 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Management of access to telecommunications services, including enlisting customers, and promoting customer loyalty involving use of dedicated mobile communications **equipment**

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200139052	A1	20010531	WO 2000FR3296	A	20001124	200170	B
FR 2801703	A1	20010601	FR 20004012	A	20000330	200170	
AU 200121783	A	20010604	AU 200121783	A	20001124	200170	
FR 2801701	A1	20010601	FR 9914884	A	19991126	200170	
FR 2801702	A1	20010601	FR 9915800	A	19991215	200170	

16/TI,PY/42 (Item 32 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Virtual **market place membership creation method for electronic commerce, involves creating multiple purchase orders by referring database containing details relating to buyers, sellers and products**

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200116826	A1	20010308	WO 2000US18943	A	20000712	200159	B
AU 200059300	A	20010326	AU 200059300	A	20000712	200159	
EP 1242930	A1	20020925	EP 2000945337	A	20000712	200271	
			WO 2000US18943	A	20000712		

16/TI,PY/43 (Item 33 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Supply chain **architecture for connecting customers,** suppliers **, logistics providers and financial institutions to a centralized** supply chain **server**

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200152158	A2	20010719	WO 2001US1296	A	20010112	200151	B
AU 200130936	A	20010724	AU 200130936	A	20010112	200166	
EP 1254420	A1	20021106	EP 2001903073	A	20010112	200281	
			WO 2001US1296	A	20010112		

16/TI,PY/44 (Item 34 from file: 350)
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Computer implemented purchasing system for vehicle sales scenario, configures inventory management **module such that both individual and**

batch modification of product records are accessible

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200042542	A2	20000720	WO 2000US1045	A	20000114	200044	B
AU 200025078	A	20000801	AU 200025078	A	20000114	200054	

16/TI,PY/45 (Item 35 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Interface **for commercial transaction in Internet, has memory accessible by nodes, which is stored with machine readable specification including interpretation information providing definition of documents**

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200023925	A2	20000427	WO 99US23426	A	19991008	200035	B
AU 9964209	A	20000508	AU 9964209	A	19991008	200037	
EP 1038251	A2	20000927	EP 99951857	A	19991008	200048	
			WO 99US23426	A	19991008		
US 6125391	A	20000926	US 98173854	A	19981016	200051	
US 6226675	B1	20010501	US 98173847	A	19981016	200126	
CN 1291311	A	20010411	CN 99802982	A	19991008	200140	
JP 2002528797	W	20020903	WO 99US23426	A	19991008	200273	
			JP 2000577598	A	19991008		
US 20020165872	A1	20021107	US 98173858	A	19981016	200275	
			US 200244450	A	20020110		
US 6542912	B2	20030401	US 98173858	A	19981016	200324	
			US 200244450	A	20020110		

16/3,K/19 (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

015187304 **Image available**
WPI Acc No: 2003-247837/200324
XRPX Acc No: N03-197044
Supply logistics **method in electronic-commerce, involves routing product order received from customer to** vendor **through** communication network **, after order confirmation and alerting shipping agent through** communication network
Patent Assignee: STEELE M A (STEE-I)
Inventor: STEELE M A
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
US 20030018547 A1 20030123 US 2001761517 A 20010116 200324 B

Priority Applications (No Type Date): US 2001761517 A 20010116
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
US 20030018547 A1 10 G06F-017/60

Supply logistics **method in electronic-commerce, involves routing product order received from customer to** vendor **through** communication network **, after order confirmation and alerting shipping agent through** communication network

Abstract (Basic):
... An order for a product received from a customer (12) through a **communication network** is received, confirmed and routed to a **vendor** (16) and an inbound shipment alert is **transmitted** to a shipping agent through the **communication network** .
... 1) **supply logistics** system; and...

...Efficiently services multiple **vendors** and customers by providing efficient ordering, managing, filling and shipping of supplies...

...The figure shows a schematic view of the **supply logistics** system...

... **vendor** (16
...Title Terms: **COMMUNICATE** ;
International Patent Class (Main): **G06F-017/60**

16/3,K/24 (Item 14 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

014968632 **Image available**
WPI Acc No: 2003-029146/200302
XRPX Acc No: N03-022984
Supply chain **data handling method for design-to-order industries, involves** transmitting **and transforming** supply chain **data from source to destination, based on their respective sets of rules**
Patent Assignee: APPAREON (APPA-N)
Inventor: BROWN B A
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
US 20020133359 A1 20020919 US 2000748432 A 20001226 200302 B

Priority Applications (No Type Date): US 2000748432 A 20001226
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
US 20020133359 A1 57 G06F-017/60

Supply chain **data handling method for design-to-order industries, involves** transmitting **and transforming** supply chain **data from source to destination, based on their respective sets of rules**

Abstract (Basic):
... Data related to a **supply chain** from a source location, are **transmitted** through a **network** , based on a specific set of rules. The data received at a destination location, is...
... 1) Computer program product for **supply chain** data; and...

...2) **Supply chain** data handling system...

...time to produce designs, delivery products and co-ordinate production between marketing companies and designated **suppliers** . Enables faster **communication** and decisions by shortening the production cycle time...

...The figure shows the features and benefits of the **supply chain** handling system...
...Title Terms: **TRANSMIT** ;
International Patent Class (Main): **G06F-017/60**

16/3,K/25 (Item 15 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014911477 **Image available**
WPI Acc No: 2002-732183/200279
XRPX Acc No: N02-577332
Supply chain **information** management **method for intelligent procurement of order through electronic** network , **involves creating delivery order corresponding to purchase order, for access by buyer**
Patent Assignee: MANUGISTICS INC (MANU-N)
Inventor: CARLIN L; METCALFE S; ZAREFOSS K A
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020138290	A1	20020926	US 2000255156	A	20001214	200279	B
			US 200114789	A	20011214		

Priority Applications (No Type Date): US 2000255156 P 20001214; US 200114789 A 20011214
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020138290	A1		19	G06F-017/60	Provisional application US 2000255156

Supply chain **information** management **method for intelligent procurement of order through electronic** network , **involves creating delivery order corresponding to purchase order, for access by buyer**

Abstract (Basic):
... imported and viewed. A corresponding delivery order having user defined attributes, is created by a **supplier** and accessed by the buyer.
... An INDEPENDENT CLAIM is included for **supply chain** information **managing** system...

...For **sharing** , tracking and updating **supply chain** purchasing transactional information for intelligent procurement of order through electronic **network** e.g. Internet, extranet, value added **network** , **virtual** private **network** , etc...

...Allows buyers to exchange information with outside parties e.g. **suppliers** and thereby keep track of any purchasing transaction from order creation to delivery...

...The figure shows the block diagram of the **supply chain** information **management** system...
...Title Terms: **NETWORK** ;
International Patent Class (Main): **G06F-017/60**

16/3,K/26 (Item 16 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014886711 **Image available**
WPI Acc No: 2002-707417/200276
XRPX Acc No: N02-557722
Tracking performance of distributors **by using data received from stores**
Patent Assignee: MENNINGER A F (MENN-I); HOFFMAN G H (HOFF-I); BURK M J (BURK-I); REECE D G (REEC-I); TOMAS-FLYNN M H (TOMA-I); RESTAURANT SERVICES INC (REST-N); SECHRIST D (SECH-I); RESTAURANT SERVICES INC RSI (REST-N); EKEY D K (EKEY-I); RUEFF M P (RUEF-I); MOR R (MORR-I); RSI (RSIR-N); BESSETTE R J (BESS-I); GREENE E A (GREE-I); SMITH M A (SMIT-I); DIAZ A M (DIAZ-I); FOURAKER W V (FOUR-I); KIRSHENBAUM L J (KIRS-I); BURNS M P (BURN-I)
Inventor: MENNINGER A F; HOFFMAN G H; BURK M J; REECE D G; TOMAS-FLYNN M H; BURNS M P; SECHRIST D; KIRSHENBAUM L J; EKEY D K; RUEFF M P; MOR R; GEHMAN A J; SMITH M A; BARNETT J B; MARKS S P; RODRIGUEZ W; FOURAKER W V; BESSETTE R J; HYATT J F; GREENE E A; DIAZ A M; HOFFMANN G H
Number of Countries: 100 Number of Patents: 099
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200277917	A1	20021003	WO 2002US8287	A	20020319	200276	B
US 20030014299	A1	20030116	US 2001816424	A	20010323	200308	
US 20030018513	A1	20030123	US 2001834600	A	20010413	200310	
US 20030009386	A1	20030109	US 2001816421	A	20010323	200311	
US 20030023464	A1	20030130	US 2001816422	A	20010323	200311	
US 20030023520	A1	20030130	US 2001815590	A	20010323	200311	
US 20030023558	A1	20030130	US 2001815559	A	20010323	200311	
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Priority Applications (No Type Date): US 2001834924 A 20010413; US 2001815488 A 20010323; US 2001815489 A 20010323; US 2001815490 A 20010323 ; US 2001815515 A 20010323; US 2001815559 A 20010323; US 2001815580 A

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Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

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US 20030088449 A1 G06F-017/60

Tracking performance of distributors **by using data received from stores**

Abstract (Basic):
... Method of tracking the performance of **distributors** consists in registering the **distributors** , receiving data a using a **network** and relating to distribution of goods to stores by the **distributors** and tracking the performance of the **distributors** using the data. The data includes delivery dates associated with the goods, performance is displayed to the stores using a **network** based **interface** and the data is received from the stores.
... 1) A system for tracking the performance of **distributors**
(...

...2) A computer program for tracking the performance of **distributors**
(...

...3) A method of **managing** a **supply** **chain**
(...
...4) A system for **managing** a **supply** **chain**
(...

...12) A method for processed product **supply** **chain** reporting...

...13) A system for processed product **supply** **chain** reporting...

...14) A method of providing a **network** -based **supply** **chain** **interface**
(...

...15) A system for providing a **network** -based **supply** **chain** **interface**

(...

...17) A method for providing a restaurant **supply** **chain** **management** **interface** **network**
(...

...18) A system for providing a restaurant **supply** **chain** **management** **interface** **network**
(...
...19) A system for identifying goods in a **network** -based **supply** **chain** **management** framework...

...21) A method of tracking goods in a **network** -based **supply** **chain** **management** framework...

...22) A system for tracking shipment of goods in a **network** -based **supply** **chain** **management** framework...

...23) A method of reporting in a **network** -based **supply** **chain** **management** framework...

...24) A system for reporting in a **network** -based **supply** **chain** **management** framework...

...25) A method for cost reporting in a **network** -based **supply chain management** framework...

...26) A system for cost reporting in a **network** -based **supply chain management** framework...

...27) A method for promotion reporting in a **network** -based **supply chain management** framework...

...28) A system for promotion reporting in a **network** -based **supply chain management** framework...

...29) A method of generating **supply chain** statistics...

...30) A method for navigating a user in a **network** -based **supply chain management interface**
(...

...31) A system for navigating a user in a **network** -based **supply chain management interface**
(...

...32) A method of tracking the performance of **suppliers**
(...

...33) A method for **inventory management** using a **network** -based framework...

...34) A system for **inventory management** using a **network** -based framework...

...36) A system for normalizing data in a **supply chain management** framework...

...37) A method of providing **network** -based **supply chain communication** between stores, **distributors** , **suppliers** , a **supply chain manager** , and his office...

...38) A system for providing **network** -based **supply chain communication** between stores, **distributors** , **suppliers** , a **supply chain manager** , and his office...

...providing feedback on forecasting relating to the sale of goods in a store utilizing a **network** -based **supply chain management** framework...

...Method is for **managing supply chains** as applied to manufacturing and sales
...International Patent Class (Main): **G06F-017/60**

16/3,K/27 (Item 17 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014860931
WPI Acc No: 2002-681637/200273
XRPX Acc No: N02-538073
Virtual **business model usage for Internet based business activities, involves providing contracting business for coordinating among** virtual **alliances, to establish control over product manufacture and distribution**
Patent Assignee: CAMPBELL M R (CAMP-I); GOMEZ A M F (GOME-I); HALE D E (HALE-I); METCALF T C (METC-I); PETERSON A M (PETE-I)
Inventor: CAMPBELL M R; GOMEZ A M F; HALE D E; METCALF T C; PETERSON A M
Number of Countries: 001 Number of Patents: 001

Patent Family:
Patent No Kind Date Applicat No Kind Date Week
US 20020087336 A1 20020704 US 2000750833 A 20001229 200273 B

Priority Applications (No Type Date): US 2000750833 A 20001229
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
US 20020087336 A1 14 G06F-017/60

Virtual **business model usage for Internet based business activities, involves providing contracting business for coordinating among** virtual **alliances, to establish control over product manufacture and distribution**

Abstract (Basic):
... Multiple **virtual** flows are established enabling electronic **communication** between multiple **virtual** alliances for the manufacture and distribution of the product. A contracting business is provided for coordination among the **virtual** alliances, for establishing control over the manufacture and distribution of the product.
... An INDEPENDENT CLAIM is included for **virtual** business model...

...For **virtually** integrated business in enterprise, over **network** and/or on world wide web...

...Provides real-time information throughout the entire **supply chain** , increased integrity and accuracy of information and material delivery systems and processes, assurance of supply resulting in multiple **suppliers** effectively connected to the **supply chain** , additional on-line **suppliers** and strategic forecasting providing quicker response to adding capital assets and raw materials. Due to...
Title Terms: **VIRTUAL** ;
International Patent Class (Main): **G06F-017/60**

16/3,K/28 (Item 18 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014785200 **Image available**
WPI Acc No: 2002-605906/200265
Material supplying system using network
Patent Assignee: LG ELECTRONICS INC (GLDS)
Inventor: HONG S C; KIM D G; KIM H B; LEE G W; LEE J S; LEE S J; NAM S C; PARK B S; SUL H S
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
KR 2002021840 A 20020323 KR 200054554 A 20000918 200265 B

Priority Applications (No Type Date): KR 200054554 A 20000918
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
KR 2002021840 A 1 G06F-017/60

Material supplying system using network

Abstract (Basic):
... A material supplying system using a **network** is provided to easily construct a material supplying system between a material **supplier** and demander by **sharing** the information for material supply and receiving a software needed to **manage** the material **supplying** system from ASP(Application Service Provider) through a **network** .
... The system comprises a material **supplier** terminal(101) requesting various information for material supply and registering a processing particulars for material...

...material supplying server(102) providing various information for material supply by a request of material **supplier** , a material demander terminal(103) registering various information for material supply and the items requesting to the material **supplier** , a **network** (104) such as the Internet connecting to the material **supplier** terminal, demander terminal and the material supplying server, and an ASP connecting to the **network** and providing the management software needed to the material **supplier** and demander. The system includes an authentication server(106) providing various electronic document formats to the material **supplier** and demander instead of paper document and processing the authentication of various electronic documents...
...Title Terms: **NETWORK**
International Patent Class (Main): **G06F-017/60**

16/3,K/33 (Item 23 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014550437 **Image available**
WPI Acc No: 2002-371140/200240
XRPX Acc No: N02-289997
Product/service trading method for shopping mall, involves maintaining server system to store inventory of products/services offered by supplier **and data related to customer**
Patent Assignee: SU X (SUXX-I)
Inventor: SU X
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020026380	A1	20020228	US 2000225150	P	20000814	200240	B
			US 2001927661	A	20010810		

Priority Applications (No Type Date): US 2000225150 P 20000814; US 2001927661 A 20010810
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020026380	A1		27	G06F-017/60	Provisional application US 2000225150

... **for shopping mall, involves maintaining server system to store inventory of products/services offered by** supplier **and data related to customer**

Abstract (Basic):
... **Inventory** and customer **management** systems (75,80) in electronic commerce server system (35) respectively store data on inventory of products/services offered by **supplier** and data on information related to customer. A customer **communicates** with the server system using a personal computer to place an order for products/services offered by the **supplier** .
... Facilitates electronic commerce and **computerized** system in shopping facilities for a customer to efficiently purchase products or receive services among...

...sufficient product/service information of shopping facility in fast, real-time manner without visiting the **suppliers** . Enables a customer to store and pick-up at a later time the purchased items...

... **Inventory** and customer **management** systems (75,80
International Patent Class (Main): **G06F-017/60**

16/3,K/39 (Item 29 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014241887 **Image available**
WPI Acc No: 2002-062587/200208
XRPX Acc No: N02-046456
System for integrated supply chain management **between factories,** wholesalers , **retailers and customers which provides real time access to critical data**
Patent Assignee: DABBIERE A (DABB-I); EDWARD C (EDWA-I); RAGHAVAN D (RAGH-I); MANHATTAN ASSOC (MANH-N); CAPEL E (CAPE-I); CAPEL E (EDWA-I)
Inventor: CAPEL E; DABBIERE A; RAGHAVAN D
Number of Countries: 097 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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US 20020013721	A1	20020131	US 2000206153	P	20000522	200210
			US 2001860829	A	20010521	
AU 200161784	A	20011203	AU 200161784	A	20010521	200221
EP 1287473	A2	20030305	EP 2001935716	A	20010521	200319
			WO 2001US16315	A	20010521	
BR 200110904	A	20030311	BR 200110904	A	20010521	200323
			WO 2001US16315	A	20010521	

Priority Applications (No Type Date): US 2001860829 A 20010521; US 2000206153 P 20000522
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200191002	A2	E	35	G06F-017/60	
US 20020013721	A1			G06F-017/60	Provisional application US 2000206153
AU 200161784	A			G06F-017/60	Based on patent WO 200191002
EP 1287473	A2	E		G06F-017/60	Based on patent WO 200191002
BR 200110904	A			G06F-017/60	Based on patent WO 200191002

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

System for integrated supply chain management **between factories,** wholesalers , **retailers and customers which provides real time access to critical data**

Abstract (Basic):
... A **wholesaler** location (120), a manufacturer location (140) and a retailer location (160) are coupled via a **network** (110) and the manufacturer **communicates** real time capacity and product information for a given product to the **wholesaler** or retailer, who then adjust purchase preferences based on this information. The **wholesaler** or retailer **communicates** the adjusted price preferences to the manufacturer, who adjusts the capacity and price based on the most recent information from and purchase preferences of the **wholesaler** and retailer.
... Providing real time access to **supply chain** data such as **supply** /inventory, demand, delivery, status etc...

... **Wholesaler** location (120...

... **Network** (110
International Patent Class (Main): **G06F-017/60**

16/3,K/43 (Item 33 from file: 350)
DIALOG(R)File 350:Derwent WPIX

013991858 **Image available**
WPI Acc No: 2001-476073/200151
Related WPI Acc No: 2002-239269; 2003-228395; 2003-299189; 2003-311519
XRPX Acc No: N01-352372

Supply chain **architecture for connecting customers,** suppliers , **logistics providers and financial institutions to a centralized** supply chain **server**

Patent Assignee: ISUPPLI CORP (ISUP-N)
Inventor: LIDOW D
Number of Countries: 094 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200152158	A2	20010719	WO 2001US1296	A	20010112	200151 B
AU 200130936	A	20010724	AU 200130936	A	20010112	200166
EP 1254420	A1	20021106	EP 2001903073	A	20010112	200281
			WO 2001US1296	A	20010112	

Priority Applications (No Type Date): US 2001758509 A 20010111; US 2000213279 P 20000122; US 2000758509 A 20000622; US 2000175868 P 20000112
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200152158	A2	E	105	G06F-017/60	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200130936	A		G06F-017/60	Based on patent WO 200152158
EP 1254420	A1	E	G06F-017/60	Based on patent WO 200152158

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

Supply chain **architecture for connecting customers,** suppliers , **logistics providers and financial institutions to a centralized** supply chain **server**

Abstract (Basic):

... A system monitor (582) monitors the operation of all components of a **supply chain** server and facilitates the information flow, while customers (72) and the **suppliers** (74) can **communicate** with an extranet manager (580) through a fire-wall (590) and the customers, the **suppliers** , logistic providers (78) and banks (392) all **communicate** with a messaging services section (588) of the **suppliers** . The customers and **suppliers** are provided with access to order and forecast information and the manager (580) displays web...

... Providing a **supply chain network** .

...

...Providing more efficient and less costly **supply chain** .

...

... **Suppliers** (74

International Patent Class (Main): **G06F-017/60**

File 348:EUROPEAN PATENTS 1978-2003/Jul W03
(c) 2003 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20030724,UT=20030717
(c) 2003 WIPO/Univentio

Set	Items	Description
S1	4455	(SUPPLY? OR SUPPLIES OR INVENTORY OR INVENTORIES OR STOCK - OR STOCKING)(3N)(CHAIN? ? OR MANAG? OR FULFILLMENT OR LOGISTI-C?)
S2	610958	VIRTUAL? OR CYBER OR COMPUTERI? OR DISTRIBUTED OR NETWORK? OR LINK? OR INTERACTIV?
S3	62670	(K OR WAL OR QUICK)(1W)MART? ? OR (CONVENIENCE OR DISCOUNT OR DOLLAR OR NEIGHBORHOOD OR MOM(1W)POP)(2W)(STORE OR STORES - OR SHOP? ? OR OUTLET? OR MART? ? OR RETAILER?) OR DISCOUNTER? OR 7(1W)(11 OR ELEVEN) OR CIRCLE(1W)K
S4	62721	VENDOR? OR MERCHANT? ? OR SUPPLIER? OR DEALER? ? OR DISTRI-BUTOR? OR WHOLESALER?
S5	843439	SHARE? OR SHARING OR CIRCULAT? OR TRANSMIT? OR TRANSMISS? - OR DISSEMINAT? OR NOTIFI? OR NOTIFY? OR APPRIS? OR TELL OR TO-LD OR IMPART? OR INFORM?? OR INFORMING OR COMMUNICAT? OR INTE-RFAC? OR UPLOAD? OR UP()LOAD?
S6	2774	(POS OR EPOS OR SALE? ? OR SELLING OR SOLD OR BUYING OR PU-RCHAS?)()(DATA OR INFORMATION OR PARTICULARS OR DETAILS)
S7	0	(S1(5N)S2) AND (S3(5N)S6) AND (S4(5N)S5)
S8	3	(S1(5N)S2) AND S3 AND S4 AND (S5(5N)S6)
S9	3	S1 AND (S2(5N)S5) AND (S3(10N)S6)
S10	4	(S1(5N)S3) AND (S4(5N)S5)
S11	3	(S1(5N)S3) AND (S2(5N)S5) AND (S4 OR S6)
S12	10	S1 AND S2 AND S3 AND S4 AND (S5(5N)S6)
S13	73	S1 AND S3 AND S4 AND IC=G06F-017/60
S14	4	(S1(5N)S3) AND S4 AND IC=G06F-017/60

8/TI,PY/1 (Item 1 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT FOR A SUPPLY CHAIN MANAGEMENT
SYSTEME, PROCEDE ET PRODUIT PROGRAMME INFORMATIQUE CONCUS POUR UNE GESTION DE CHAINE D'APPROVISIONNEMENT
Publication Year: 2002

8/TI,PY/2 (Item 2 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

TECHNOLOGY SHARING DURING ASSET MANAGEMENT AND ASSET TRACKING IN A NETWORK **-BASED** SUPPLY CHAIN **ENVIRONMENT AND METHOD THEREOF**
PARTAGE TECHNOLOGIQUE LORS DE LA GESTION ET DU SUIVI DU PARC INFORMATIQUE DANS UN ENVIRONNEMENT DU TYPE CHAINE D'APPROVISIONNEMENT RESEAUTEE, ET PROCEDE ASSOCIE
Publication Year: 2001

8/TI,PY/3 (Item 3 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

SYSTEM, METHOD AND COMPUTER PROGRAM FOR REPRESENTING PRIORITY INFORMATION CONCERNING COMPONENTS OF A SYSTEM
SYSTEME, METHODE ET ARTICLE FABRIQUE PERMETTANT DE CLASSER PAR ORDRE DE PRIORITE DES COMPOSANTS D'UNE STRUCTURE DE RESEAU NECESSAIRES A LA MISE EN OEUVRE D'UNE TECHNIQUE

8/3,K/2 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00806392
TECHNOLOGY SHARING DURING ASSET MANAGEMENT AND ASSET TRACKING IN A NETWORK -BASED SUPPLY CHAIN ENVIRONMENT AND METHOD THEREOF
PARTAGE TECHNOLOGIQUE LORS DE LA GESTION ET DU SUIVI DU PARC INFORMATIQUE DANS UN ENVIRONNEMENT DU TYPE CHAINE D'APPROVISIONNEMENT RESEAUTEE, ET PROCEDE ASSOCIE
Patent Applicant/Assignee:
ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US (Residence), US (Nationality)
Inventor(s):
MIKURAK Michael G, 108 Englewood Blvd., Hamilton, NJ 08610, US,
Legal Representative:
HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 38th Floor, 2029 Century Park East, Los Angeles, CA 90067-3024, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200139086 A2 20010531 (WO 0139086)
Application: WO 2000US32310 20001122 (PCT/WO US0032310)
Priority Application: US 99444653 19991122; US 99447623 19991122
Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 156214

TECHNOLOGY SHARING DURING ASSET MANAGEMENT AND ASSET TRACKING IN A NETWORK -BASED SUPPLY CHAIN ENVIRONMENT AND METHOD THEREOF
Fulltext Availability:
Detailed Description
Claims

Detailed Description
TRACKING IN A **NETWORK** -BASED **SUPPLY CHAIN** ENVIRONMENT AND METHOD THEREOF
FIELD OF INVENTION
The present invention relates to e-Cormnerce-based...

...more particularly pertains to managing network assets through asset tracking in an e-Commerce-based **supply chain** framework.

BACKGROUND OF INVENTION
1 5 The ability to quickly, easily and efficiently communicate has...

...3
SUMMARY OF INVENTION
A system, method, and article of manufacture are disclosed for managing **network** assets through asset tracking in an e-Commerce-based **supply chain** framework. Features include automatically caching web content, providing proxy services, managing load balancing such as...of the present
invention;
Figure 2 illustrates an embodiment of a system for combined industry **supply management** between one or multiple manufacturers and one or many service providers and/or **vendors** and/or
resellers;
Figure 3 is a flowchart for a process for affording a **network** -based **supply chain** frarnework in

1 5 accordance with an embodiment of the present invention; Figure 4 is...

...a network; Figure 9 illustrates a flowchart for a methodology for managing orders in a **network** -based **supply** **chain** in accordance with an embodiment of the present invention; 5 Figure 1 1 illustrates a flowchart for a methodology 1 1 00 for providing maintenance and service in a **network** -based **supply** **chain** in accordance with an embodiment of the present invention; Figure 12 is a block diagram...one embodiment of the present invention for allowing a user to customize an item for **purchase** in a virtual shopping enviromnent; Figure 61 is an illustration of one embodiment of the...industry supply management is centralized in an eCommerce Market Space 206, which includes components that **manage** end-to-end **supply** **chain** information such as demand planning, order **fulfillment** , scheduling, **inventory** , etc. In embodiments of the present invention in which multiple manufacturers and service providers participate...

...logistics component 220.

Figure 3 illustrates a flowchart for a process 300 for affording a **network** -based **supply** **chain** framework in accordance with an embodiment of the present invention. Installation of a service is...the present invention particularly applicable to installation of communication lines between telecommunications providers and their **suppliers** , a method is provided for use in cooperation with a computer having memory in a...the supply of manufacturer offerings between manufacturers and service providers may be coordinated utifiang the **network** . In such an embodiment, a **supply** **chain** planning tool may be provided for coordinating the supply of manufacturer offerings between the manufacturers...212 Figure 9 illustrates a flowehart for a methodology 900 for managing orders in a **network** -based **supply** **chain** in accordance with an embodiment of the present invention. When a request for an order...

...embodiment of the present invention, the network may also be utilized to receive information from **suppliers** of the manufacturer relating to the status of delivering supplies to the manufacturer as well...

...progress in supplying the manufacturer based on the information received from, the at least one **supplier** . In such an embodiment, the periodic 5 progress reports may also include information relating to the tracking of the at least one **supplier** .

In yet a further aspect of the present invention, a network operations link may be...

...an order management system for automatically placing an order with one of a plurality of **suppliers** when order information is input by one of a plurality of orderers.

Accordingly, this embodiment...can be prevented from exceeding their budget.

The central management unit may further include a **supplier** selecting process for calculating a total cost of previously received order for each of the **suppliers** based on the order history information and the order information, and for selecting one of the **suppliers** whose total cost of previously received orders is within an order limit. Thus, exceeding the order limit previously set to cach of the **suppliers** is prevented.

Additionally, the **supplier** selecting process may select one of the **suppliers** based on the order history information so that each of the **suppliers** equally receives orders. Optionally, the **supplier** selecting

process manages **supplier** information including an order prohibition flag which 1 5 represents a prohibition of placing an order with a **supplier** indicated by the order prohibition flag. As another option, the **supplier** selecting process selects one of the **suppliers** offering the lowest price when an item to be ordered is supplied by a plurality of **suppliers** .

The order management system according to the present invention may farther compriise an ordering process for placing an order through the communication network with the **suppliers** based on the order **information** .

According to one embodiment of the present invention, an order management process automatically places an order with one of a plurality of **suppliers** when order information is input by one of a plurality of orderers. The order management...

...process may include calculating a total cost of previously received orders for each of the **suppliers** based on the order history inforination and the order information as weIl as selecting one of the **suppliers** whose calculated total cost of previously received orders is within an order limit. Thus, exceeding the order limit previously set to each of the **suppliers** can be prevented.
Additionally, the order management process may further include selecting the one of the **suppliers** based on the order history information so that each of the **suppliers** equally receives orders. As an option, an order to be placed with a **supplier** may be prohibited by indication by an 1 5 order prohibition flag included in **supplier** inforrnation. As another option, one of the **suppliers** offering the lowest pnice may be selected when an item to be ordered is supplied by a pluralitY of **suppliers** . As yet another option, the order management process may further include automatically placing an order with the **suppliers** based on the order information through a communication network connecting the central management unit to each of the **suppliers** . It should be noted that the order management process may be performed by a combination...

...1 0 illustrates a flowchart for a process 1 000 for managing assets in a **network** -based **supply chain** in accordance with an embodiment of the present invention. Utiliang a network, inforination is received...a flowchart for a methodology 1 1 00 for providing maintenance and service in a **network** -based **supply chain** in accordance with an embodiment of the present invention. In operation 1102, one or more...

...of switching packets around the world using thes`e different protocols is challenging to both **vendors** and users.
Standards-based LAN systems work reasonably weIl at transfer rates up to about...are inserted into designated slots in cages within a console, with backplane access to a
data bus for **communication** with one another or
to other devices in the network. The VME bus is presently...

...host. More elaborate secunity measures are necessary where access may be had to higlily confidential **data** .

Some data **communication** networks involve a variety of different customers each of whom makes avallable a host and...of the opened problems.

Tier 3 - are considered solution experts and often consist of hardware **vendors** , software **vendors** or custom application development / maintenance teams (in5 depth skills needed to investigate and resolve difficult...bandwidth options from 2 to lOMbits per second depending on configuration and choice of equipment **vendor** .

With the evolution of the "New Core" in the wire-Iine, the cable will continue...Tier step 5006, the customer is provided access to solution

experts who are often hardware **vendors** , software **vendors** , or customer application development and maintenance teems. Customer network problems that get this far in...personal questions and custom data gathering in the form of queries provided by the sponsor/ **vendor** for response by the user.

The pertinent answers are then immediately provided to the sponsor/ **vendor** . The Internet Entry Server then "hot-links" the customer to the sponsor/ **vendor** 's Intemet domain or Home Page for a mandatory "guided tour" where the user is exposed to any current product promotion by the sponsor/ **vendor** and can download promotional coupons, product inforination, etc. After this mandatory guided tour is completed, the customer is allowed to enter queries for help in installing or using the sponsor/ **vendor** 's product. As an optional promotional service, upon terrnination of the on-line he1p session...IP Routers are also computers that connect networks and is a newer terin preferred by **vendors** .

These routers must make decisions as to how to send the data packets !t receives...content from other content creators for inclusion into their products or for other use. Clearinghouses, **distributors** , content creators, and other WAF users can afl interact, both with the applications running on...on-line system to transfer money between aecounts, such as between the account of a **merchant** and that of a customer, cannot satisfy the need for an automated transaction system providing...for specific purposes.

It is desirable for a computer operated under the control of a **merchant** to obtain information offered by a customer and transmitted by a computer operating under the...

...switched network (e.g., the Internet) to the computer operating under the control of the **merchant** , without risking the exposure of the information to interception by third parties that have access...

...assure that the information is from an authentic source. It is further desirable for the **merchant** to transmit information, including a subset of the information provided by the customer, over such...

...with third-party certification authorities, thereby allowing the customer to transmit encoded information to a **merchant** , some of which may be
decoded by the **merchant** , and some which can be decoded only by a payment
gateway specified by the customer...
...computer connection, Therefore, SSL does not provide a mechanism for transmitting encoded information to a **merchant** for retransmission to a payment gateway such that a subset of the information is readable to the payment gateway but not to the **merchant** . Although SSL allows for robustly secure two-party data transmissim, !t does not meet the...

...interfaces for different types of data to be entered, and provide different discount rates to **merchants** for complying with various data types. Moreover, a plethora of report
generation mechani4ms and formats are utilized by **merchants** that banking
organizations work with.

Banks are unwilling to converge on "standards" since convergence would facilitate switching from one acquiring bank to another by **merchants** . In
general, banks desire to increase the cost that a **merchant** incurs in switching from. one acquiring bank to another acquiring bank. This is aecomplished by supplying a **merchant** with a terminal that only communicates utilizing the bankIs proprietary protocol, and by providing other value-added services that a **merchant** may not be able to obtain at another bank.

Internet-based payment solutions require additional private, secure, dedicated phone or leased line service utilized between a traditional **merchant** and an acquiring bank. Thus, !t is critical that any solution utilizing the Internet for...

...these messages comprise almost the entire volume of the total number of messages between the **merchant** and the autborizing bank, but only half of the total number of different message types...increasing importance, especially where retailing is highly competitive and price management is essential for a **merchant** to keep pace with competitors, One area that has produced such a multitude of products...

...within the product type. Moreover, each manufacturer sells its products through a large number of **distributors** and, ultimately, to retafi stores, with the result that the pricing of the same product can differ from **distributor** to **distributor** , from retailer to retaller and from geographic market to geographic market. Even within a single **merchant** 's inventory, price variations on an individual product oecur, e.g, an advertised special versus the "regular" price.

To keep pace with competitors, a **merchant** may obtain pricing information by reviewing competitors' advertisements, printed or otherwise, by actual shopping of...a defined period, after which the "sale" price reverts to the "regular" price. If a **merchant** wishes to change prices in response to a competitor's price, usually special effort 174...

...frequently, such as once or twice per day. Such frequency is prohibitive, and thus, a **merchant** cannot respond dally to market price changes involving hundreds to thousands of produets. Moreover, keeping... at an article pickup arca at an automated store includes an interactive system for conununicating **purchase information** to the customer and **communicating** the custorner's purchase order for at least one article; a host computer including provisions the license agreernent is generated.

Most software **vendors** currently favor licensing as the preferred method of distributing software. Licensing software provides the **vendor** with a certain amount of control over the distributed software which may he used to the **vendorls** advantage. For example, licensing software allows the **vendor** to prohibit unauthorized usage of the software that might facilitate unauthorized copying. In addition, licensing provides an advantageous method of providing and billing for software. Through licensing, the **vendor** may sell several identical copies of the same software and charge the buyer for each...

...server network, multiple users may access the same copy of a particular application. Consequently, the **vendor** can charge the network owner not for the number of copies installed on the network...

...users having access to the software.

Software is conventionally licensed using an agreement between the **vendor** and the user or administrator. The agreement is typically elther a conventionally signed contract or...

...and sales of software programs have become significant businesses both for companies which are primarily **vendors** of hardware, as well as for companles which vend software alone. Software is typically sold under license, that is, **vendors** transfer copies of software to users under a ficense which
182
governs how the users...
...more programs. Traditionally, an end user would have to obtain a license

from, a software **vendor** to authorize use of the **vendor** 's software on terminals or workstations within the network.

One method for providing access to...few users of a company actually need the software.

In the instance where a software **vendor** offers a choice between CPU-locked and site licensed software, it is the number of...

...more than a single copy of the software may not buy it, thus depriving a **vendor** of potential revenue.

Similarly, **vendors** lose potential revenue when they permit a company with a
184
very large number of...be used to assure the administration of, and adequacy
187
(1) creators, publishers, and other **distributors** , of electronic information,
(2) financial service (e.g. credit) providers,
(3) users of (other than...

...WAF value chain participants. For example, an electronic agreement between a content creator and a **distributor** may establish both. the priice to the **distributor** for a creator's content (such as for a property distributed in a WAF container object) and the number of copies of this object that this **distributor** may distribute to end-users over a given period of time. In a second agreement...

...the end-user agrees to certain requirements for using the distributed product such as accepting **distributor** charges for content use and agreeing to observe the copyright rights of the creator. A third agreement might exist between the **distributor** and a financial clearinglioUse that allows the **distributor** to employ the clearinglioUse's credit for payment for the product if the end-user... pnices are reflected by competing bid and ask prices communicated among institutions, banks, brokers, and **dealers** in the secondary market.

For example, the y!eld of a treasury note increases as...

...very complexity associated with the transactions and the scale of trading undertaken by banks, brokers, **dealers** and institutional participants necessitates a nigidly structured approach to trading.

In the past, open oulcry...advertising on optical discs may include actors, directors, script and other writers, musicians, studios, publishers, **distributors** , retailers, advertisers, credit card. services, and content end-users.

These participants need the ability to...

...of dollars in annual revenue according to the Intemational Intellectual Property Alliance. Content providers and. **distributors** have devised a number of limited function rights protection mechanisms to protect their rights. Authorization...

...flexible enough to support the generalized
209
WAF Control Capabilities
WAF allows the owners and **distributors** of electronic digital information to refiably bill for, and securely control, audit, and budget the...

Claim
... functions and firewall attacks.

20 A method for technology sharing during asset management in a **network** -based **supply** **chain** , comprising the steps of : (a) developing content of a technology interface for sharing technology on...and automatic testing capabilities.

29 A system for techriology sharing during asset management in a **network** -based **supply** **chain** , comprising: (a) logic that develops content of a technology interface for sharing technology on a...

...differen
out
Figure 5
212
Market Space
210 EISUPply ,214
208
Demand &
TI Installation Order **Network** Asset
SUPply j
Management **Management** **Management**
Planning
End to end process visibility and harmonization
New Capabilities
202 d E Collaborative a...Configuratio
Initiate action lo reconfigure, if needed reconfiguration
Configuration notification/detali Generate trouble tickets lo **suppliers**
Confirm trouble cleared, notify customer rovider
Schedule with and notify customer of
er provide Trouble...application.
parsonnui familiar wilh !he
development and operation of these G2. Reliance upon a single **vendor** (IBM) for types of applications. technology solutions is acceptable.
G3. Contrali7,or1 applicalion and data...Commerce LAN rewa Packet filte
Router
Developmenti ging
Server Server n
Fulfillment Dial
Adminiltration Systems. **Merchant** aymeni
Database LAN Net
Figure 121
12206 12202
*Hardened OS *Hardened OS Hardene Hardened OS...

...Certificate SSLv3-12
p Development ging
Server Server
Fulfillment F
Systems
Administration r
12208 acy **Merchant**
Database LAN
Figure 122
02
PROVIDING AN E-COMMERCE APPLICATION WHICH ALLOWS THE PURCHASE OF...

9/TI,PY/1 (Item 1 from file: 348)
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

SERVICE RECEIVING ID NUMBER SETTLING SYSTEM
BEZAHLUNGSSYSTEM VON DIENSTLEISTUNGEN BASIEREND AUF EINER KENNUMMER
SYSTEME DE PAIEMENT PAR NUMERO D'IDENTIFICATION DE SERVICES RE US
PATENT (CC, No, Kind, Date): EP 1197906 A1 020417 (Basic)
WO 200034906 000615

9/TI,PY/2 (Item 2 from file: 348)
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

MOBILE ELECTRONIC COMMERCE SYSTEM
MOBILES ELEKTRONISCHES HANDELSSYSTEM
SYSTEME DE COMMERCE ELECTRONIQUE MOBILE
PATENT (CC, No, Kind, Date): EP 950968 A1 991020 (Basic)
WO 9909502 990225

9/TI,PY/3 (Item 1 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

A FUEL DISPENSER FACILITATING REMOTE ACCESS
DISTRIBUTEUR DE CARBURANT A ACCES A DISTANCE FACILITE
Publication Year: 1999

9/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01030324
MOBILE ELECTRONIC COMMERCE SYSTEM
MOBILES ELEKTRONISCHES HANDELSSYSTEM
SYSTEME DE COMMERCE ELECTRONIQUE MOBILE
PATENT ASSIGNEE:
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD, (216884), 1006, Oaza-Kadoma, Kadoma-shi, Osaka 571-0000, (JP), (Applicant designated States: all)
INVENTOR:
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LEGAL REPRESENTATIVE:
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PATENT (CC, No, Kind, Date): EP 950968 A1 991020 (Basic)
WO 9909502 990225
APPLICATION (CC, No, Date): EP 98937807 980813; WO 98JP3608 980813
PRIORITY (CC, No, Date): JP 97230564 970813
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SPEC A	(English)	9942	160346
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Total word count - document B			0
Total word count - documents A + B			177585

...SPECIFICATION constituted, and provides information concerning the electronic ticket; and

wherein the electronic wallet and the **supply** side perform, via the wireless communication means, an examination process for the electronic ticket for...presented card information and a registered card certificate for the electronic payment card; and
state **management** information to which a digital signature has been added using the card signature private key...the electronic payment card, the electronic telephone card or the electronic ticket can be physically **distributed** along a distribution route.
According to the invention cited in claim 146, on the recording...

...139 is stored in a form readable by a computer. Thus, the program can be **distributed** in a portable form.
According to the invention cited in claim 147, on the recording...

...139 is recorded in a form readable by a computer. Thus, the program can be **distributed** in a portable form.
According to the invention cited in claim 154, on the recording... purchases, as electronic information, various types of tickets, payment cards or telephone cards through a **network** . Thereafter, wireless **communication** is employed for the examination of a ticket when the user enters a hall, for...

...a telephone card issuance company; a service system 110, which constitutes the center of a **communication network** that connects together the mobile user terminal 100, the gate terminal 101, the merchant terminalsa digital public line **network** 111, which provides a data **transmission** path for the **network** ; a wireless telephone base

station 112, which connects the mobile user terminal 100 to the...

...111; and a destination telephone terminal 115, which is connected to the digital public line **network** 111 when in use.

The mobile user terminal 100 is a portable, wireless telephone terminal ...

...a digital communication line for connecting the switching center 105 and the digital public line **network** 111; 119, a **transmission** path for infrared communication conducted between the mobile user terminal 100 and the gate terminal...

...digital telephone communication line for connecting the gate terminal 101 and the digital public line **network** 111; 121, a **transmission** path for infrared communication conducted between the mobile user terminal 100 and the merchant terminal...

...a digital telephone communication line for connecting the merchant 102 and the digital public line **network** 111; 123, a **transmission** path for infrared communication conducted between the merchant terminal 103 and the base station 113...

...a digital communication line for connecting the base station 113 to the digital public line **network** 111; 126, a **transmission** path for infrared communication conducted between the mobile user terminal 100 and the automatic vending...

...a digital communication line for connecting the base station 114 to the digital public line **network** 111; 129, a telephone **communication** line for connecting the telephone terminal 115 to the digital public line **network** 111; 130, a digital **communication** line for connecting the digital public line network 111 to the service system 110; 131...of a ticket, a payment card, or a telephone card that is purchased via a **network** , and to settle charges incurred at a normal retail shop.

Specifically, an electronic credit card...

...switching center 105 via the transmission path 116, the base station 112 and the digital **communication** line 117, and with the service system 110 via the digital communication line 118, the digital public line **network** 111 and the digital **communication** line 130; and uses infrared communication to communicate with the gate terminal 101 via the digital public line **network** 111 and the digital **communication** line 130.

The merchant terminal 102 employs digital telephone communication to communicate with the service system 110 via the digital telephone communication line 122, the digital public line **network** 111 and the digital **communication** line 130.

The merchant terminal 103 employs digital telephone communication to communicate with the service...

...path 124, the base station 113, the digital communication line 125, the digital public line **network** 111 and the digital **communication** line 130.

The automatic vending machine 104 employs digital telephone communication to communicate with the...

...path 127, the base station 114, the digital communication line 128, the digital public line **network** 111 and the digital **communication** line 130.

Digital data are exchanged by the service system 110 and the transaction processing...

...100 and 200. The mobile user terminal 200 is connected to the digital public line **network** 111 via a base station 201 for a digital wireless telephone, a digital communication line...

...line 117, the switching center 105, the digital communication line 118,

the digital public line **network** 111, the digital **communication** line 206, the switching center 202, the digital communication line 205, the base station 201...

...for a payment card to be issued, and makes the installation card 207 available for **sale** at a retail sales outlet, such as a **convenience store** or a kiosk at a station. When a user purchases an installation card or receives...a ticket to be issued is printed, and makes the installation card 207 available for **sale** at a retail sales outlet, such as a **convenience store** or a theater ticket agency. When a user purchases the installation card or receives it...

...in the mobile user terminal 100 using the purchase and transfer process available on the **network** , or during the installation process using the installation card.

The electronic credit card is registered...is connected to an ATM switch 911 by an ATM-LAN cable 912. The digital **communication** line 130 for connecting the digital public line **network** 111, the digital **communication** line 131 for connecting the transaction processing system 106, the digital communication line 132 for...ticket that has been issued and an installation card; a ticket information server 1103, for **managing** ticket **stock** information; and a **management** system 1106, with which the ticket issuer manages the operation of the ticket issuing system...

...that has been issued and an installation card; a payment card information server 1203, for **managing** payment card **stock** information; and a **management** system 1206, with which the payment card issuer manages the operation of the payment card...that has been issued and an installation card; a telephone card information server 1303, for **managing** telephone card **stock** information; and a **management** system 1306, with which the telephone card issuer manages the operation of the telephone card...ticket order response 5804, which is a response message for the ticket order 5801, and **transmits** it to the mobile user terminal.

Upon receiving the ticket order response 5804, the mobile...

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SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT FOR A SUPPLY CHAIN MANAGEMENT
SYSTEME, PROCEDE ET PRODUIT PROGRAMME INFORMATIQUE CONCUS POUR UNE GESTION DE CHAINE D'APPROVISIONNEMENT
Publication Year: 2002

10/TI,PY/2 (Item 2 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

NETWORK BASED BUSINESS TO BUSINESS PORTAL FOR THE RETAIL CONVENIENCE MARKETPLACE
PORTAIL DE RESEAU ENTRE ENTITES COMMERCIALES ADAPTE AU MARCHE DU COMMERCE DE DETAIL EN MAGASIN DU TYPE BAZARETTE
Publication Year: 2002

10/TI,PY/3 (Item 3 from file: 349)
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SYSTEM AND METHOD FOR AN INDEPENDENT RETAILER BUSINESS-TO-BUSINESS MARKET EXCHANGE
SYSTEME ET PROCEDE D'ECHANGES COMMERCIAUX INTER-ENTREPRISES POUR DETAILLANTS INDEPENDANTS
Publication Year: 2001

10/TI,PY/4 (Item 4 from file: 349)
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SYSTEM AND METHOD FOR EXTENDED ENTERPRISE PLANNING ACROSS A SUPPLY CHAIN
SYSTEME ET METHODE DE PLANIFICATION D'ENTREPRISE COUVRANT UNE CHAINE DE D'APPROVISIONNEMENT
Publication Year: 1998

10/3,K/3 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00845274
SYSTEM AND METHOD FOR AN INDEPENDENT RETAILER BUSINESS-TO-BUSINESS MARKET EXCHANGE
SYSTEME ET PROCEDE D'ECHANGES COMMERCIAUX INTER-ENTREPRISES POUR DETAILLANTS INDEPENDANTS
Patent Applicant/Assignee:
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Patent Applicant/Inventor:
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Legal Representative:
HADLOCK Timothy J (et al) (agent), Chevron Corporation, Law Department, P.O. Box 6006, San Ramon, CA 94583-0806, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200177941 A2 20011018 (WO 0177941)
Application: WO 2001US10614 20010402 (PCT/WO US0110614)
Priority Application: US 2000195716 20000407
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 7314

Fulltext Availability:
Detailed Description
Claims

Detailed Description
... the I R Sector.

The new marketplace intends to be the catalyst for revolutionizing the **supply chain** to the highly fragmented **convenience store** ("C- **store** ") and other segments of the small business sector and I R Sector. For suppliers, the ...

...operations with those of the suppliers.

A dynamic, interactive online community network where retailers and **suppliers** can collaborate and **share** information.

RetailersMarketXchange.com is optionally based on a conventional eCommerce catalog and order processing system...

Claim
... select a plurality of brand promotions on a recurring or irregular basis, that selection is **communicated** to a **supplier** which fulfills said brand promotion.

16 The system of claim 15, further comprising means for...

10/3,K/4 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00417716 **Image available**
SYSTEM AND METHOD FOR EXTENDED ENTERPRISE PLANNING ACROSS A SUPPLY CHAIN
SYSTEME ET METHODE DE PLANIFICATION D'ENTREPRISE COUVRANT UNE CHAINE DE D'APPROVISIONNEMENT
Patent Applicant/Assignee:
i2 TECHNOLOGIES INC,
Inventor(s):
BELLINI Joseph M,
KIRKEGAARD Jon R,
BRADY Gregory A,
ALTMAN Arthur H,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9808177 A1 19980226
Application: WO 97US14789 19970820 (PCT/WO US9714789)
Priority Application: US 96697261 19960821
Designated States: AL AM AT AZ BA BB BG BR BY CH CN CU CZ DE DK EE ES FI GE GH HU IL IS KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 6274

Fulltext Availability:
Detailed Description

Detailed Description
... can be common in a supply chain where a retailer enterprise 82, such as a **Wal - Mart** , generally **manages** its **supply chain** .

The integration of **supply chain** 80 allows retailer enterprise 82, for example, to **communicate** a request to primary **vendor** enterprises 84 for the respective products. The EPI protocol can define a window for a...

...received from a primary vendor enterprise 84 within the 2-hour window, retailer 82 can **communicate** a request to a secondary **vendor** enterprise 86 to obtain the necessary product.

Again, a 2-hour window could be defined...
...enterprises 86. It should be understood that, in this manner, retailer enterprise 82 can timely **inform** the **vendors** in its supply chain of the products needed as well as avoid running out of...

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SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT FOR A SUPPLY CHAIN MANAGEMENT
SYSTEME, PROCEDE ET PRODUIT PROGRAMME INFORMATIQUE CONCUS POUR UNE GESTION DE CHAINE D'APPROVISIONNEMENT
Publication Year: 2002

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NETWORK BASED BUSINESS TO BUSINESS PORTAL FOR THE RETAIL CONVENIENCE MARKETPLACE
PORTAIL DE RESEAU ENTRE ENTITES COMMERCIALES ADAPTE AU MARCHE DU COMMERCE DE DETAIL EN MAGASIN DU TYPE BAZARETTE
Publication Year: 2002

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SYSTEM AND METHOD FOR AN INDEPENDENT RETAILER BUSINESS-TO-BUSINESS MARKET EXCHANGE
SYSTEME ET PROCEDE D'ECHANGES COMMERCIAUX INTER-ENTREPRISES POUR DETAILLANTS INDEPENDANTS
Publication Year: 2001

11/3,K/3 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00845274

SYSTEM AND METHOD FOR AN INDEPENDENT RETAILER BUSINESS-TO-BUSINESS MARKET EXCHANGE

SYSTEME ET PROCEDE D'ECHANGES COMMERCIAUX INTER-ENTREPRISES POUR DETAILLANTS INDEPENDANTS

Patent Applicant/Assignee:
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Patent Applicant/Inventor:
REYDA Nancy D, 216 Erselia Trail, Alamo, CA 94507, US, US (Residence), US (Nationality), (Designated only for: US)
HEIDERICH-LEE Kelly, 147 Canyon Lakes Drive, San Ramon, CA 94583, US, US (Residence), US (Nationality), (Designated only for: US)
PARNELL Eric A, 11397 Bloomington Way, Dublin, CA 94586, US, US (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
HADLOCK Timothy J (et al) (agent), Chevron Corporation, Law Department, P.O. Box 6006, San Ramon, CA 94583-0806, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200177941 A2 20011018 (WO 0177941)
Application: WO 2001US10614 20010402 (PCT/WO US0110614)
Priority Application: US 2000195716 20000407
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 7314

Fulltext Availability:
Detailed Description
Claims

Detailed Description
... facilitating operations of a 1 5 plurality of Independent Retailers ("IR's"), said method comprising.
communicating over a **network** from a service bureau or a plurality of headquarters of a chain of retail stores...

...includes a system for managing a plurality of chains of IR's, said system comprising.

communication means for **communicating** over a **network** from a plurality of
headquarters of a chain of IR's to a plurality of...

...as a full-service marketplace for all convenience store and small business retailers and their **suppliers** . The "independent retail sector" as used in this specification and
appended claims means retailers that are: (a) franchised and/or independently owned and/or independently operated (collectively "IRs"), and
(b) **suppliers** of good and/or services to [Rs and such **suppliers** 'company
owned and/or operated stores (collectively "IR Sector"). Examples of IRs include, but are...

...invention (optionally implemented initially by a company named, e.g., "RetailersMarketXchange.com"). Optionally, retailers and **suppliers** who commit capital and participation will also be equity participants in the joint I 0...

...the I R Sector.

The new marketplace intends to be the catalyst for revolutionizing the **supply chain** to the highly fragmented **convenience store** ("C- **store** ") and other segments of the small business sector and I R Sector. For **suppliers** , the 5 marketplace has the potential to dramatically reduce costs in this $200 billiona-year...

...and the efficiency of delivering products and services. For [Rs, it creates access to the **suppliers** , programs and scale of a networked economy to dramatically improve their operations.

In one preferred...
...run their business. The portal will include.

A marketplace providing an unparalleled commerce community between **supplier** companies, retailer chains and individual retailers.

@6
The infrastructure for deployment of retail and product...

...use of RetailersMarketXchange.com and integrate the retailer's onsite operations with those of the **suppliers** .

A dynamic, interactive online community network where retailers and **suppliers** can collaborate and share information.

RetailersMarketXchange.com is optionally based on a conventional eCommerce catalog...

...leveraged off utilizing technology and systems existing in the IR Sector as presently practiced by **distributors** in the IR Sector, e.g., the McLane Company.
The Internet-based system will significantly...

...retailers. The marketplace of the invention will greatly enhance supply chain efficiencies between retailers and **suppliers** and with all of their manufacturers, **distributors** and retailing partners. Existing electronic point of sale technology may optionally be employed for inventory...

...hook up with a diversity of groups they may find of interest.

Benefits for the **Suppliers** include: New Customers via increased marketing reach and productivity; Increased Sales via targeted sales and ...

...That is, the parent enters into special favorable shortterm purchasing agreements with a manufacturer or **distributor** to purchase its 1 0 products through the IR's. The IR's learn about...

...they sign up for and place an order for the desired quantities directly from the **distributor** or ...deployment

sub-system. Brands using this component may be a retail chain, a franchiser, a **distributor** or manufacturer. Shipment tracking and payment processing are optional features of the Brand Deployment sub...

...Independent Trade Exchange aspect of the invention will provide the open marketplace where buyers and **suppliers** come to transact commodity and auction based items. Optionally, leveraged or aggregated buying power is...

...method of the invention, i.e., [Rs group purchases together to obtain volume discounts from **suppliers** . The goods and services of all **distributors** , manufacturers, and all other goods and service providers on the RetailersMarketXchange will be placed in...

...access rights limits for each user. During the log-in process, the IR's preferred **suppliers** will be identified and optionally a dynamically created report will be displayed showing those preferred **suppliers** and any special pricing agreements between the IR and **supplier** . Optionally, all or some alternative transaction types are supported, e.g., auction, reverseauction, request-for...

...the button to launch an email window for sending inquiries to Customer Service.

For the **suppliers** , Customer Service optionally includes a targeted advertising campaign service for **suppliers** ' goods, services and/or promotions.

The Communities aspect of the invention will provide the fun...

...environment. Independent Trade Exchange module 1 1 0 includes the open marketplace where buyers and **suppliers** come to transact commodity and auction based items. The leveraged buying power of the RTE...by reference in its entirety. This is because typically only authorized retail store and their **suppliers** should have access to the system.

The public will not have such access typically.

FIG...

...the subsystems might be renamed, combined, or further divided, yet still be within the invention.

Communication occurs over **network** including a client-server environment including the Internet, an extranet, a wide area network, a...

...This is because typically only authorized stores in the retail store's chain and their **suppliers** should have access to the system. The public will not have such access typically.

FIG...

...Nos. 5,960,411 entitled "Method And System For Placing A Purchase Order Via A **Communications** **Network** " and 6,029,142 entitled "Electronic Catalog System And Method," and in Baron, Chris and...

...69, and 83-85, which are each incorporated herein by reference in their entireties. The **supplier** receives the order and fulfills the order in block
Embodiments include where the order message is transmitted directly from the retail store to the **supplier** or, alternatively, where the order is transmitted to the headquarters, who then passes it on directly to the **supplier** or optionally first combines it with like orders- from other retail stores prior to passing it on to the **supplier** .

Conventional secure transaction systems are optionally utilized as taught, e.g., in U.S. Patent...the button to launch an email window for sending inquiries to Customer Service. For the **suppliers** , Customer Service optionally includes a targeted advertising campaign service for **suppliers** ' goods, services and/or promotions. The Customer Services subsystem, and optionally one or more of...

...with other members of the community, i.e., headquarters, retail chain stores and optionally their **suppliers** , **distributors** , and **suppliers** . The Communities subsystem will include topic-specific newsgroups, member-clubs, bulletin boards, and other on...

...consumer research and feedback to a particular IR chain's headquarters and/or the manufacturers/ **distributors** .

FIG. 10 is a block system diagram showing one preferred embodiment of specific applications/implementations...the marketing step. The tenantleasing step/means includes identifying potential tenants, e.g., petroleum industry **vendors** or customers, and contacting them to lease space on the web site, i.e., to...

Claim

... of facilitating operations of a plurality of Independent Retailers ("IR's"), said method comprising:
(a) **communicating** over a **network** from a service bureau or a plurality of headquarters of a chain of retail stores...

...of IR's, said method comprising:
(a) entering into volume discount promotion agreements between merchandise **suppliers** and each headquarters for a chain of IR's;
(b) communicating said volume discounts agreements...

...said IR's pursuant to at least one of said volume discounts agreements; and
(d) **communicating** over said **network** said selected purchases of said IR's to the corresponding merchandise **supplier** or its respective headquarters, for fulfillment of said purchase.

13 The method of claim 12 a server system of a **supplier** of the item;
(c) under control of said server system of a **supplier** :
(1) receiving the request;
(2) generating an order to purchase the requested item; and
(3...

...0 promotions, and for recognizing a user's selection of specific brand promotions, and for **communicating** over said **network** to a corresponding **supplier** the selected brand promotions and the identity of the selecting store; and
(c) wherein said...

...of brand promotions on a recurring or irregular basis, that selection is communicated to a **supplier** which fulfills said brand promotion.

16 The system of claim 15, further comprising means for...

...A system for managing a plurality of chains of IR's, said system comprising:
(a) **communication** means for **communicating** over a **network** from a plurality of headquarters of a chain of IR's to a plurality of...

...of IR's, said system comprising:

1 0 (a) volume discount promotion agreements between merchandise **suppliers** and each headquarters for ...said IR's pursuant to at least one of said volume discounts agreements; and
(d) **communication** means for **communicating** over said **network** said selected purchases of said IR's to the corresponding merchandise **supplier** , for fulfillment of said purchase.

28 The system of claim 27, wherein said network comprises...

...items and sending a request to order said items to a server system of a **supplier** of the item;
(c) a server system of a plurality of **suppliers** configured:
(1) for receiving the request;
1 5 (2) for generating an order to purchase...

12/TI,PY/1 (Item 1 from file: 348)
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Client information collecting method, client information providing method, point assigning method, merchandise information providing method, and merchandise information collection apparatus using network
Verfahren zum Sammeln von Kundeninformation, Verfahren zum Bereitstellen von Kundeninformation, Verfahren zum Zuordnen von Punkten, Verfahren zum Bereitstellen von Information uber Waren und Apparat zum Sammeln von Information uber Waren mit Hilfe eines Netzwerks
Methode de collecte d'information sur des clients, methode de fourniture d'information sur des clients, methode d'allocation de points, methode de fourniture d'information sur des marchandises et appareil de collecte d'information sur des marchandises utilisant un reseau
PATENT (CC, No, Kind, Date): EP 1168219 A2 020102 (Basic)

12/TI,PY/2 (Item 2 from file: 348)
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Distribution management device, distribution management method, program storage medium and distribution management system
System, Gerat und Verfahren fur die Verwaltung der Auslieferung und Speichermedium fur das Programm
Systeme, dispositif et methode de gestion de la distribution et medium de stockage pour le programme
PATENT (CC, No, Kind, Date): EP 1132841 A2 010912 (Basic)

12/TI,PY/3 (Item 3 from file: 348)
DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

MOBILE ELECTRONIC COMMERCE SYSTEM
MOBILES ELEKTRONISCHES HANDELSSYSTEM
SYSTEME DE COMMERCE ELECTRONIQUE MOBILE
PATENT (CC, No, Kind, Date): EP 950968 A1 991020 (Basic)
WO 9909502 990225

12/TI,PY/4 (Item 1 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT FOR A SUPPLY CHAIN MANAGEMENT
SYSTEME, PROCEDE ET PRODUIT PROGRAMME INFORMATIQUE CONCUS POUR UNE GESTION DE CHAINE D'APPROVISIONNEMENT
Publication Year: 2002

12/TI,PY/5 (Item 2 from file: 349)
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NETWORK **BASED BUSINESS TO BUSINESS PORTAL FOR THE RETAIL CONVENIENCE MARKETPLACE**
PORTAIL DE RESEAU ENTRE ENTITES COMMERCIALES ADAPTE AU MARCHE DU COMMERCE DE DETAIL EN MAGASIN DU TYPE BAZARETTE
Publication Year: 2002

12/TI,PY/6 (Item 3 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

TECHNOLOGY SHARING DURING ASSET MANAGEMENT AND ASSET TRACKING IN A NETWORK-BASED SUPPLY CHAIN ENVIRONMENT AND METHOD THEREOF
PARTAGE TECHNOLOGIQUE LORS DE LA GESTION ET DU SUIVI DU PARC INFORMATIQUE DANS UN ENVIRONNEMENT DU TYPE CHAINE D'APPROVISIONNEMENT RESEAUTEE, ET PROCEDE ASSOCIE

Publication Year: 2001

12/TI,PY/7 (Item 4 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

SYSTEM, METHOD AND COMPUTER PROGRAM FOR REPRESENTING PRIORITY INFORMATION CONCERNING COMPONENTS OF A SYSTEM
SYSTEME, METHODE ET ARTICLE FABRIQUE PERMETTANT DE CLASSER PAR ORDRE DE PRIORITE DES COMPOSANTS D'UNE STRUCTURE DE RESEAU NECESSAIRES A LA MISE EN OEUVRE D'UNE TECHNIQUE
Publication Year: 2000

12/TI,PY/8 (Item 5 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

METHOD AND APPARATUS FOR AUTHENTICATING VENDING MACHINE SALES DATA
PROCEDE ET APPAREIL D'AUTHENTIFICATION DE DONNEES RELATIVES AUX VENTES DE DISTRIBUTEUR AUTOMATIQUE
Publication Year: 2000

12/TI,PY/9 (Item 6 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

INFORMATION DISTRIBUTION SYSTEM
SYSTEME DE DISTRIBUTION D'INFORMATIONS
Publication Year: 1999

12/TI,PY/10 (Item 7 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

SIGNAL PROCESSING APPARATUS AND METHODS
DISPOSITIF ET PROCEDES DE TRAITEMENT DE SIGNAUX
Publication Year: 1989

12/3,K/6 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

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TECHNOLOGY SHARING DURING ASSET MANAGEMENT AND ASSET TRACKING IN A NETWORK-BASED SUPPLY CHAIN ENVIRONMENT AND METHOD THEREOF

PARTAGE TECHNOLOGIQUE LORS DE LA GESTION ET DU SUIVI DU PARC INFORMATIQUE DANS UN ENVIRONNEMENT DU TYPE CHAINE D'APPROVISIONNEMENT RESEAUTEE, ET PROCEDE ASSOCIE

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Detailed Description
Claims

Detailed Description
... backbone, but not until Giga-bit Ethernet technology matures to handle a wide array of **network** services such as connection oriented circuit emulation.

The use of Wire Speed IP technology is suitable for an enterprise **network** but lacks the robustness and scalability needed for carrier grade backbones. For this reason, there...
...0
The architecture in the "NGN" provides seamless interoperability of services between the packet based **network** and the traditional PSTN. New "NGN" packet based capabilities will be developed to support AIN...

...existing circuit switched technologies (e.g.

MTP).

IN requirements and architecture in the Next Generation **Network** (NGN) Given the huge revenues and global nature of PSTN services, as weIl as their...

...address communication over mixed media types, control of multiple session characteristics, collaborative communications needs, ubiquitous **network** access, "any to any" communications, and multimedia delivered information
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The following provides a descriiption...

...and the "New Core" that provide enhanced IP based services. The Intelligent IP (12 P) **Network** enablers are categorized as follows. Session Control (Bandwidth, Switching and Routing) Media Control (Call Treatment...

...NGN" are described as individual functional units but may be combined for practicality on individual **network** devices as the requirements dictate. 1 5 These components have been designed to operate in a **distributed** **network** enviromnent to increase the flexibility of the NGN and New Core. The architecture provides a...

...and have access to the same infonnation regardless of where or how they access the **network** .

Example: Assuming a US based NGN service user was roaming in Europe and wanted to access the **network** but has the use of specific calling information stored in his profile database in the...typically subscribed. Obviously, storing or replicating this data and then managing synchronicity over a worldwide **network** would be process intensive, cosfly and cumbersome. This intelligent **network** architecture addresses these issues efficiently with mechanisms that make remote data available locally for the...

...sent to a Class 5 circuit based switch and terminated on a circuit switched SS7 **network** POTS line) Access Device (Session Control) Provides connectivity and session termination from customer premises to ...

...filters to enable activation, processing and tear-down of sessions 0 Interfaces with existing CORE **network** to process information across NGN Extended CORE Filters and Converts signals from SS7 /ISDN to...

...to another (example: G.728/9 to AD/PCNI or Vocaltec to Vienna Systems, etc.) **Network** Access Control Point (Session Control) Similar to a switching node on an SS7 circuit switched **network** .

First or Last Access Point in the **network** 0 Provides actual call / session handling, routing and processing based on instructions from the Rules...

...is critical since it is the "glue" between the end user application and the conununications **network** . lt is responsible for collection and distn'bution of end-user session preferences, application requirements...

...to.

Create the AMA /CDR and other usage records 64 Fecds the Financial Inftastructure Cross **Network** (Roaming) Location Register (Poficy Management) Similar to the Home location register in the w1reless / cellular telepliony world. This funetional component provides the required policies governing users who access thild party **networks** and cross geographical boundaries. lt keeps in constant contact with other 1 0 cross **network** location registers of the geographically dispersed but inter-connected **networks** , exchanging accounting, service feature profile and control data for local and roaming subscribers.

"New Core" **Network** Architecture 1 5 Most of the attributes of the "New Core" will already be in...

...based "NGN" descriffied above. The emergence of "New Core" signals the retirement of legacy PSTN **network** infrastructure. The traditional PSTN may never get removed from the public **network** , it may continue to be available as a universally accessible telecommunication service, highly subsidized and...

...govertiment agencies (AMTRAK model). But for the purposes for business and technical innovation, traditional PSTN **network** will largely become irrelevant.

As the PSTN based access methods go away, entirely IP based...

...services, thus really providing seamless services across many different access technologies.

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The Wireless Data **Network** Architecture
The current wireless "Core" **network** consists of wireless based access and roaming capabilities that: inter-operate with wire-line PSTN...the call through the NGN components such as Gateways and Switches.

The Emerging Satellite Data **Network** Architecture
In addition to the wireless access infrastructure, new service providers have emerged that...

...use low earth orbiting satellites (LEOS) to build a new access as well as backbone **network** infrastructure. The carlier version of these **networks** were built using traditional PSTN service model, hence they lack the bandwidth scalability for data services. In the "New Core",
66
The Cable **Network** Architecture
Cable **networks** were developed for mainly broadband broadcast of analog video entertainment services. The current "Core" cable...

...cable infrastructure to support high speed intemet access. Thus in the "NGN" scenario for cable **networks** , cable will provide a new access mechanism for IP services, while simultaneously transport video content ...

...the wire-fine "NGN" that provide IP telepliony to wire-fine IP devices.

The digital **network** segment that interfaces with. the "NGN" comprises of a coaxial cable local loop which is...
...bandwidth options from 2 to lOMbits per second depending on configuration and choice of equipment **vendor** .

With the evolution of the "New Core" in the wire-Iine, the cable will continue...

...cable attached devices just flke any other rich media will be delivered over the IP **network** . lt is even conceivable that video encoding technologies such as MPEG2 and motion JPEG will...

...the cable infrastructure using NGN and CORE delivery
67
"New Core".

NGN Creation Strategy
The **network** transformation plan comprises of the following phases
Strategy
Market Trial
Service Launch
Consolidation and Optimization
Strategy
'Determine where our current **network** fits in the evolutionary continuum from CORE to NGN or New CORE. Having identified the appropriate

positioning of the **network** , select an architectural scenario that best serves business and technical objectives of the engagement.

Market...

...assess the success of the market trial.

Service Launch
Develop, plan and manage the detailed **network** , systems, process and program management aspects of the launch of a "New Core" that is applicable for the **network** based on the strategy developed above. This ensures that the **network** systems planned and developed will be future-ready. The OSS and back-office systems are...

...to support the processes required for service creation and management in the "New Core". The **network** creation processes provides the program management tools to ensure that the launch is successfully executed.

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Service Consolidation and Optimization
As the **network** operator moves into operating and maintaining the "NGN", there will be many parallel market driven joumeys during which services and capabilities will be developed for the "NGN". The **network** creation process provides tools to assist the client into improving efficiencies of these parallel jourrieys...

...of processes, as well as measurement tools to determine the success of such consolidation. The **network** architecture roadinap and business blueprint will act as the foundation to ensure that during the...

...the quality of service is degraded.

Degraded Quality of Service and Billing
A typical telecommunication **network** comprises multiple telecommunication switches located throughout a geographical area. When a user makes a call...1210 or call record. However, billing in the present invention is increased because the hybrid **network** also contains proxy intelligence.

Figure 13 shows a block diagram of the **Network** Data Managernent 1300 in accordance with a preferred embodirnent of the present invention. **Network** Data Managenient 1300 encompasses the collection of usage data and events for the purpose of **network** performance and traffic analysis. This data may also be an input to Billing (Rating and...

...The process provides sufficient usage information for rating and billing.

This process ensures that the **Network** Performance goals are tracked, and that notirication is provided when they are not met (threshold...

...and usage collection.

In some cases, changes in traffic conditions may trigger changes to the **network** for the purpose of traffic control. Reduced levels of **network** capacity can result in requests to **Network** Planning for more resources.

Figure 14 is a flowchart illustrating a **network** data management process in aecordance with a preferred embodiment. First, in step 1400, data is ...

...Next, in step 1402, the data is analyzed to determine a status of the hybrid **network** which in turn, in step 1404, is utilized during management of the hybrid **network** .
Further, in step 1406, billing rates and discounts are determined based on the status of the hybrid **network** .

In addition to the **Network** Data Management 1300 generating billing events, the present invention also uses a Customer Interface Management ...

...assures consistency of image across systems, and security to prevent a customer from harming their **network** or those of other customers. The aim is to provide meaningful and timely customer contact ...

...preferred embodiment. First, in step 1600, a service level agreement is received for a hybrid **network** custorner. Next, in step 1602, the service level agreement is stored after which, in step 1604, inquinies are received from **network** custorners reflecting occurrences related to the hybrid **network** . Thereafter, in step 1606, events are generated based on the custorner inquiries
71
and the service level agreement.

The **Network** Data Management 1300 and Customer Interface Management process 1500 are used to give information to...

...defined in Service Descriptions, Service Level Agreements (SLA), and other service-related documents. It includes **network** performance, but also performance across all of service parameters, e,g., Orders Completed On Time...

...Management Process in accordance with a preferred embodiment. First, in step 1800, a hybn'd **network** event is received which may include customer inquiries, required reports, completion notification, quality of service ternis, service level agreement terras, service problem data, quafity data, **network** performance data, and/or **network** configuration data. Next, in step 1802, the systeni deterinines custonier reports to be generated and...

...Quality Management Process in accordance with a preferred embodiment. First, in step 2000, a hybrid **network** event is received that may include forecasts, quality objectives, available capacity, service problem. data, quality...

...problem trends, maintenance activity, maintenance progress, andIor credit violations. Next, in step 2002, quality management **network** data is
determined and, in step 2004, the quality management **network** data is generated. Such quality management **network** data may include constraint data, capacity data, service class quality data, service modification recommendations, additional capacity requirements, performance requests, and/or usage requests, Finally, in step 2006, a **network** process to which to send the generated data is identified.

Figure 21 shows a block...

...preferred embodiment. First, in step 2200, a notification of a 5 problem within a hybrid **network** is received by the system. Next, in step 2202, a
resolution for the problem within the hybrid **network** is determined. The resolution may include a status report, resolution notification, problem reports, service reconfiguration...

...of the
implementation of the resolution is tracked.

The Problem Handling Process 1502 and the **Network** Data Management 1300 feed information to the Rating and Discounting Process 1306, as shown in ...

...Rating and Discounting Process in accordance with a preferred embodiment. First, in step 2400, hybrid **network** customer usage information is reccived. In step 2402, **network** service level agreement violations are collected, and, in step
74
, **network** quality of service violations are received by the Rating and Discounting systern.

Next, in step 2406, rating rules are applied to the **network** custorner usage infonnation. Further, in step 2408, negotiated discounts are determined based on the **network** quality of service violations and, in step 2410, rebates are determined based on the **network** service level agreement violations. Thereafter, in step 2412, billing data reflecting the usage information, the...such an event oecur.

Figure 27 is a flowchart illustrating media communication over the bybrid **network** of the present invention. When a customer initiates a use of the hybrid **network** , the hybrid **network** , in a first stepi 2700, transfers the media over the **network** using IP information to route it to the appropriate destination. The media transferred over the **network** may be telephony data, image data, or any other data capable of packet switched transmission...

...bill for the customer. In addition to normal billing for service provided via the hybrid **network** , the bill is modified based on events generated during the media transfer. For example, events...

...1502 is responsible for receiving service complaints and other service-affecting problems. Together with the **Network** Data Management 1300, the Problem Handling Process feeds data to the Discounting Process 1306. The...

...the information from the Discounting Process 1306 to create customer billing information.

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Contemporary telecommunication **networks** provide customers with the capability of using the general public **network** as well as the capability of defining a custom **virtual** **network** (VNet).

With a VNet, a customer defines a private dialing plan, including plan teleplione numbers...
...implemented. More importantly, fixed call record forrnats cannot handle expanded data flelds as the telecominunications **network** becomes more complex with new features and teleplione numbers.

Contemporary fixed length. record formats include...

...represents the time of day at a switch: The timepoint fie1ds are used by the **network** switches, billing center, and other **network** subsystenis.

Each subsystem, however, may require the time period for a different use and in...

...switches have passed the burden of trans1ating the time into a usable format to the **network** subsystenis. The fixed record fonnat cannot acconimodate the various time period requirements because it only...

...a one (1) second increment.

Therefore, there is a need for switches of a telecommunications **network** to store call record inforination in a flexible and expandable forinat. There is a further...
...and security purposes, it may be necessary to trace a specific teleplione call through the **network** with ease in order to isolate problem areas.

Therefore, there is a need for switches of a teleconimunications **network** to uniquely identlfy cach teleplione call that traverses the **network** , thereby uniquely identifY!ng all of the call records associated with a specific teleplione call...time separate in order to prevent the problems that oceur during daylight savings time changes.

Network Call Identifier
This embodiment solves the problem of uniquely identifying each teleplione call and all...

...specific telephone call by providing a unique identifier to each call record. lt generates a **network** call identifier (NCID) that is assigned to each call record at the point of call...

...NCID for each teleplione call.

The NCID accompanies the associated teleplione call through the teleconimunications **network** to the terrnination point at the terminating switch. Therefore, at any point of a teleplione call in the **network** , the associated NCID identifies the point and time of origin of the telephone call. Each...

...thereby reducing the data throxigliput and storage. The NCID provides the billing center and other **network** subsystems with the ability to match originating and terminating call records for a specific teleplione ...

...thereby ensuning a valid unique identifier to be associated with each call going through the **network** . For instance, an NCID may be unreliable if generated by third party switches in the telecommunications **network** .

This embodiment relates to switches of a telecommunication **network** that generate call records using a flexible and expandable record format. The call record formats...

...:large record forrnat of different sizes.

The embodiment also relates to switches of a telecommunication **network** that generate a unique NCID for each teleplione call traversing the **network** . The NCID provides a mechanism for matching all of the call records associated with a...

...in the relevant arts.

Call Record Format
This embodiment provides the switches of a telecommunication **network** with nine (9) different record formats. These records include : Call Detail Record (CDR), Expanded Call Detail Record (ECDR), Private **Network** Record (PNR), Expanded Private **Network** Record (EPNR), Operator Service Record (OSR), Expanded Operator Service Record (EOSR), Private Operator Service Record...orily generated at switches or systems that have the capability of performing operator services or **network** audio response system (NARS) functions. The formats of the two (2) records are identical except...

...by a caller if the call 202 must: be translated to another number within the **network** . Therefore, when a caller uses an operator service, the switch 1206-1210 records the dialed...by a switch 1206-1210 determines if the call 3602 is an enhanced voice service/ **network** audio response system (EVS/NARS) call. An EVS/NARS is an audio menu system in...Offset.

Afier the successful completion of a Change Daylight Savings Time Cominand, the billing

An embodiment provides a unique NCID that is assigned to each telephone call that traverses through the telecommunications **network** . Thus, the NCID is a discrete identifier among all **network** calls. The NCID is transported and recorded at each switch that is involved with the...

...as recorded in the SER call record.

Figure 40 illustrates the control flow of the **Network** Call Identifier switch call processing. A call 3602 comes into a switch 1206-1210 (called ...

...type. If the oniginating trunk group type is an InterMachine Trunk (IMT) or a release **link** trunk (RLT), then the switch proceeds to step 4016. An IN4T is a trunk connecting twoi normal telecommunication switches, whereas a RLT is a trunk connecting an intelligent services **network** (ISN) platform to a nonnal telecommunication switch. When the current switch reaches step 4016, the...In step 4020, the current switch 1 5 transports the call 3602 out through the **network** with its associated NCID. Step 4020 is described below in more detail.
Referring again to...

...step 4020. In step 4020, the current switch transports the call 3602 out through the **network** with its associated NCID. Step 4020 is described below in more detall.

Referring again to...

...record, the current switch proceeds to step 4020 to transport the call out through the **network** with its associated NCID. Step 4020 is also described below in more detail.

Referring again...

...current switch then proceeds to step 4020 and transports the call 3602 out through the **network** with its associated NCID. Step 4020 is also described below in more detail.

Figure 41...

...an Integrated Services User Parts Direct Access Line (1SUP DAL) or an Integrated Services Digital **Network** Primary Rate Interface (ISDN PRI). ISUP is a signaling protocol which allows information to be...

...that a valid NCID corresponds to the cal.1 3602 and is sent through the **network** . In step 4108, if the current switch is not authorized to create a new NCID...terminating trunk group is an ISDN trunk (the terminating trunk group is dedicated to one **network** customer). lf the terminating trunk group is an ISDN, the current switch procecds to step...thereby exiting the switch processing.

A system and method for the switches of a telecommunications **network** to generate call records for telephone calls using a flexible and expandable record format. Upon reccipt of a telephone call, a switch in the **network** analyzes the telephone call to determine whether the default call record is sufficienlly large to...

...the call could be captured. Then, based on the information entered, a central or 5 **distributed** computing facility with access lo the hybrid **network** transmits e-mail in a note lo cach party required for the call copying the...

...descaption of intemet environinent is presented.
Internet
The Intemet is a niethod of interconnecting physical **networks** , and a set of conventions for using **networks** that allow the computers they reach to interact. Physically, the Intemet is a huge, global **network**

spanning over 92 countries and comprising 59,000 academic, conimercial, goverriment, and military **networks** , according to the Government Aecounting Office (GAO), with these nunibers expected to double cach year ...

...an open natuTe and is available to everyone, meaning that it attempts to create a **network** protocol system that is independent of computer or **network** operating system and architectural differences. As such, TCP/IP protocols are publicly available in standards...LANs ITU H.323 ITU Recommendation for Visual Teleplione Systems and Equipment for Local Area **Networks** which provide a non-guaranteed quality of service.

ITU 1 324 Recommendation for Terininals and...

...teleplione lines.

ITU T. 120 Transmission Protocols for Multimedia Data.
100
ISDN Integrated Services Digital **Network** , the digital communication standard for transmission of voice, video and data on a single communications **link** .

RTP Real-Time Transport Protocol, an Internet Standard Protocol for transmission of real-time data flke voice and video over unicast and multicast **networks** .

IP Internet Protocol, an Internet Standard Protocol for transmission and delivery of data packets on a packet switched **network** of interconnected computer systems.

PPP Point-to-Point Protocol
1 0 MPEG Motion Pictures Expert...

...hardware and software, even if Intemet communication is not required.

Indeperidence from any specific physical **network** hardware, allows TCP/IP to integrate many d,ifferent kinds of **networks** . TCP/IP can be used over an Ethernet, a token ring, a diaPup line, or **virtually** any other kinds of physical transmission media.
An understanding of how inforination travels in communication...

...taken by key players in today's Intemet backbone business. The traditional type of communication **network** is circuit switched. The U.S. telephone system uses such circuit switching techrilques. When a...

...a physical path from the originating telephone to the receiver's telephone. A circult-switched **network** attempts to form a dedicated connection,
101
The establishment of a completed path is a prerequisite to the transmission of data for circuit switched **networks** . Afier the circult is in place, the microplione captures analog signals, and the signals are ...

...these analog local loops typically exists as the "last mile" of each of the teleplione **network** circuits to attach the local teleplione of the calling party.

This guarantee of capacity is the strength of circuit-switched **networks** . However, circuit switching has two significant drawbacks. First, the setup time can be considerable, because...the bandwidth of
102
Other reasons for long call setup time include the different signaling **networks** involved in call setup and the sheer distance causing propagation delay. Analog signaling frorri an end station to 0 a CO on a low bandwidth **link** 'can also delay call setup. Also, the call setup data

travels great distances on signaling **networks** that are not aIways transmitting data at the speed of light. When the cafis are intemational, the variations in signaling **networks** grows, the equipment handling call setup is usually not as fast as modem setup and...

...are even greater, so call setup slows down even more. Further, in general, connection-oriented **virtual** or physical circuit setup, 5 such as circuit switching, requires more time at connection setup...

...single block may tie up a line for many minutes, rendering message switching useless for **interactive** traffic.

Packet switched **networks** , which predominate the computer **network** industry, divide data into small pieces called packets that are multiplexed onto high capacity intennachine...

...small packets and sent one at a time from one machine to the other. The **network** hardware delivers these packets to the specified destination, where the software reassembles them into a...

...understand the Internet, a comparison to the teleplione system is helpfUl. The public switched teleplione **network** was designed with the goal of transmitting human voice, in a more or less recognizable...

...perfori-nance of these lines.

The Internet is composed of a great nuniber of individual **networks** , together forining a global connection of thousands of computer systems. After understanding that inachines are connected to the individual **networks** , we can investigate how the **networks** are connected together to form an intemetwork, or an internet. At this point, internet gateways and intemet routers come into play.

In ternis of architecture, two given **networks** are connected by a computer that attaches to both of thern. Internet gateways and routers provide those links necessary to send packets between **networks** and thus make connections possible. Without these links, data communication through the Intemet would not be possible, as the information either wouId not reach its destination or **networks** over the internet.
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Now, it is useful to take a simplified look at routing...somewhere higher up in the hierarchy. There are sectional and regional offices that
105
Using **Network** Leve! Communication for Smooth User Connection
In addition to the data transfer functionality of the Internet, TCP/IP also secks to convince users that the Intemet is a solitary, **virtual network** . TCP/EP accomplishes this by providing a universal 0 interconnection among machines, independent of the specific **networks** to which hosts and end users attach. Besides router interconnection of physical **networks** , software is required on each host to allow application programs to use the Internet as if it were a single, real physical **network** .

The basis of Internet service is an underlying, connectionless packet defivery system run by 5...

...computers that make such choices. For the routing of infonnation from one host: within a **network** to another host on the same **network** , the datagrams that are sent do not actually reach the Internet backbone. This is an example of internal routing, which is comp letely self-contained within the **network** . The machines outside of the **network** do not participate in these intemal routing decisions.

At this stage, a distinction should be...

...Direct delivery is the transmission of a datagram from one machine

across a single physical **network** to another machine on the same physical **network** . Such deliveries do not involve routers. Instead, the sender encapsulates the datagram in a physical...

...frame directly to the destination machine.

Indirect delivery is necessary when more than one physical **network** is involved, in particular when a machine on one **network** wishes to communicate with a machine on another **network** .

This type of communication is what we think of when we speak of routing information...

...future, serve as an introduction to the technological arena.

Asynchronous Transfer Mode (ATM) is a **networking** teclinology using a high-speed, connection-oriented systein for both local area and wide area **networks** . ATM **networks** require modem hardware including.

1 5
High speed switches that can operate at gigabit (trillion...

...Thus, frame relay offers increased performance compared to traditional systems.

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An Integrated Services Digital **Network** is an "intemational telecommunications standard for transmitting voice, video, and data over digital lines," most commonly running at 64 kilobits per second. The traditional phone **network** runs voice at orily 4 kilobits per second. To adopt ISDN, an end user or...

...calIback leg is enabled. In this embodiment, a calIback custorner participates through a Voice Over **Network** (VON) application utilizing a computer with voice capability, and can initiate a video screen popup... required.

Fault Management
The NGN operations architecture specifles the points of insertion and collections for **network** wide events that feed the Fault Management systems. Since the components of the packet portion...

...j
1. Correlation of the events from the packet infrastructure with the Core circuit-based **network** events to provide the operators with a seamiess service
oriented view of the overall health of the **network** ;
2. Event gathering and interpretation from the Core circuit **network** elements;
and
3. Mediation and standardization of the **network** messages to aid processing by the **network** management frainework of the NGN.

The **network** management components of the NGN provide comprehensive solutions to address these challenges. Correlation is provided...

...is typically
performed by custom development of software interfaces which communicate
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directly with the **network** elements, process raw events and sort them by context prior to storing them. For example...
...standardization challenge is addressed by using a comprehensive library of afl possible message types and **network** events categorize the numerous messages that the NGN generates.

Figure 45 is a flowchart showing...

...begins with a transmitting step 4502. In step 4502, data is transmitted over the hybrid **network** , including video and mixed audio information. The data transmission generally makes full use of the hybrid **networks** mixed circuit-switched an packet-switched components. As discussed above, the hybrid **network** inciudes approximately all the advantages of a packet based **network** while still making use of the older circuit-switched components already in place. The system...

...to do this by correlating events raised by both the circuit-switched and packet-switch **network** elements, as discussed later in relation to event and correlating steps 4504 and 4506.

In...

...circuit-switched event gathering step 4504, an event is obtained from a circuit-switched based **network** element. As discussed above, event gathering
and interpretation is typically performed by custom developed software interfaces which communicate directly with the **network** elements, process raw **network** events, and sort the events by context prior to storing them. After obtaining the events...

...gathered in step 4504 is correlated with a second event obtained from a packet-switched **network** element. As with circultswitched **network** elements, packet-switched event gathering and interpretation
is typically performed by custom developed software interfaces which
110
communicate directly with the **network** elements, process raw **network** events, and sort the events by context prior to storing them. As discussed above, the...

...the fault message is created utilizing a comprehensive library of all possible message types and **network** events which categorizes the numerous messages that the bybrid
network generates,
Figure 46 is a block diagram showing a Fault Management component 4600 in aecordance...
...embodiment of the present invention. The Fault Management component 4600 records failures and exceptions in **network** devices (e.g. **network** routers or UNIX servers) and performs the following operations.

1) performs root-cause correlation of...

...analysis by the
Reporting Component; and
4) allows real time viewing of faults in a **network** map and **network** event views.

The Fault Management component 4600 includes the following elements.

UNIX Servers 4602- Any...

...Server with BMC Patrol clients loaded.

SNMP Devices 4606 - Any SNMP manageable device.

HP OV **Network** Node Manager (Collector Component) 4608 - HP OpenView **Network** Node Manager is one product which performs several functions. In this context it is it...
...a fault managernent context, Seagate NerveCenter performs rootcause correlation of faults and events across the **network** .

HP OV **Network** Node Manager **Network** MW 4612 - HP OpenView **Network** Node Manager is 1 0 one product which performs several functions. In this context !t is responsible for maintaining and displaying the node level

network map of the **network** the MNSIS architecture monitors.

HP OV **Network** Node Manage 4614 - HP OpenView **Network** Node Manager is one product which perfonns several functions. In this context it is it... 4616 - An Omnibus Netcool probe which is installed on the sarne system as HP OV **Network** Node Manager and forwards events to the Omnibus Netcool Object Server.

Micromuse Internet Service Monitors...

...0 SQL Loader Direct Load.

Proactive Threshold Manager
The Proactive Threshold Manager is an automated **network** manager that 1 5 forewarns service providers of a chance that a service leve! agreement...
...retrieved and examined using an NGN workstation. The threshold manager resides on an NGN hybrid **network** computer.

A threshold generally is a number which, when exceeded, generates an alarm in the...

...alarni is 5 (50.div.10).

114
Each alarm is available to an NGN hybrid **network** analyst via an NGN Workstation. The Figure 47 is a flowchart showing a Proactive Tlireshold ...

...monitoring step 4702. In step 4702, the Proactive Threshold Manager monitors the NGN hybn'd **network** . The 0 Proactive Tlireshold Manager generally monitors the **network** at all times to ensure proper service is provided to subscribers of the **network** , by assisting service providers in maintaining a proper level of service.

In a minimum level...the subscriber's service leve] agreement breached.

115
Figure 48 is a flowchart showing a **Network** Sensing Process 4800 in accordance with, one embodiment of the present invention. The **Network** Sensing Process 4800 begins with an element monitoring step 4802. In step 4802, custom developed element software monitors the individual **network** elements and generates events based on hardware occurrences, such as switch fallures.

Typically, the vanious elements that make up the hybrid **network** are very different from one another.

Thus, custom software is generally needed for each **network** element or group of related **network** elements. The custom developed software conununicates directly with the hardware and generates events when various...

...The element manager filters, aggregates, and correlates the events to further isolate problems within the **network** . Any inforination that: is deemed cnitical. to monitor and manage the **network** is translated into standard object format in a translation step 4806.

In a trarislation step 4806, information from step 4804 that is deemed cnitical to monitor and manage the **network** is translated into a standard object format. Generally, typical. operational events are orily logged and...

...The object request broker allows the Inforrnation Services Manager to share management inforination stored in **distributed** databases. The Proactive Tlireshold Manager uses the information provided by the

Information Services Manger to...

...Information Services
Manager and the Presentation Manager to assist in the management of the hybrid **network** system. The three components are briefly described below to provide context for the detailed discussion...

...the element manager that follows.

Element Manager
1 0 The element manager communicates with the **network** elements to recelve alarms and alerts through trapping and polling techniques. The element manager is...

...manager
-11 be f
wi iltered, aggregated and correlated to further !solate problems within the **network** .

Infonnation that is deemed critical to monitor and manage the **network** is translated into a standard object format and forwarded to the Information Services Manager. An...

...be, but is not necessarily, software which adheres to open standards such as the Simple **Network** Managernent Protocol (SNMP) and the Object Managernent Group's (OMG) Cornrnon Object Request Broker Architecture...

...the element managers is utilized by the infonnation services manager to provide information to the **network** operators. The information services manager adheres to CORBA standards to provide ubiquitous information access via...

...broker (ORB). The ORB allows the infonnation services manager to share management information stored in **distributed** databases.

The information services manager stores critical management infortnation into operational (real-time) and analytical (histonical) **distributed** databases. These databases provide cormnon data storage so that new products can be easily inserted...

...event is reccived at an element manager that is deemed critical to display to a **network** user, the infon-nation services manager will
117
store a copy of the alan-n in the operational database and then forward the alarm to the appropnate **network** operator.

Media and textual databases are also provided by the information services manager. The databases...

...access element specific information. The databases also provide procedures, policies and computer based training to **network** users.

The infonnation services manager provides requested infonnation (real-time and historical) to the **network** users via the presentation manager.

1 0 Presentation Manager
The presentation manager performs the function as Fault Management, to provide communication between the various **network** elements of the system.
Figure 49 is a flowchart showing an Element Management Process 4900...

...step 4902. In step 4902, the
Element Manager monitors the system for events generated by **network** elements. Generally, the Element Manager confinuously monitors the system to

118
translate events for other...

...Management Component.

In an event receiving step 4904, the Element Manager receives events from various **network** elements. Preferably the events are provided by custom software interfaces which communicate directly with **network** elements, The software interfaces preferably process the raw **network** events and sort them by context prior to providing the events to the Element Manager ...

...or Billing.

Customer Support Structure
The organization model for customer service support in the NGN **network** provides a single point of contact that is customer focused. This single point of contact...

...needs. Each tier, or level, possess an increased level of skifi, with tasks and responsibilities **distributed** aceordingly.

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Figure 50 is a flowchart showing a Three Tiered Customer Support Process 5000...

...begins with a First Tier step 5002. In step 5002, a customer with a hybrid **network** problem is provided access to customer support personnel having a broad set of technical skifis...

...set of technical skills allows this group to solve about 60-70% of all hybrid **network** problems. If the customers **network** problem is solved at this stage, the process ends. However, if the customers **network** problem is not solved at this stage, the process continues to a Second Tier step...

...could not solve. This group is generally responsible for solving 30-40% of all hybrid **network** problems. If the customers **network**
problem is solved at this stage, the process ends. However, if the customers **network** problem is not solved at this stage, the process continues to a Third Tier step...

...Tier step 5006, the customer is provided access to solution experts who are often hardware **vendors** , software **vendors** , or customer application development and maintenance teems. Customer **network** problems that get this far in the customer support process 5000 need individuais possessing in...

...for solving the most difficult problems. Typically this group solves about 5% of all hybrid **network** problems.

The above model is generally referred to as the Skilled Model because personnel at...

...one embodiment of the present invention is first asked a series of questions by an **interactive** voice response (IVR) system or an live operator. The customer uses Touch-Tone keys on...personal questions and custom data gathering in the form of queries provided by the sponsor/ **vendor** for response by the user.
The pertinent answers are then immediately provided to the sponsor/ **vendor** . The Internet Entry Server then "hot-links" the customer to the sponsor/ **vendor** 's Intemet domain or Home Page for a mandatory "guided tour" where the user is exposed to any current product promotion by the sponsor/ **vendor** and can download promotional coupons, product inforination, etc. After this mandatory guided tour is completed, the

customer is allowed to enter queries for help in installing or using the sponsor/ **vendor** 's product. As an optional promotional service, upon terrnination of the on-line he1p session...

...Users can click a button and go to a cal! center through a hybrid
122
network using IP telephony. The system invokes an IP telephony session simultaneously with the data session...

...begins with a transmitting step 5102. In step 5102, data is transmitted over the hybrid **network** during a data session. This data session is typically a normal Internet browsing session, and...

...Internet protocol, the present invention can provide a seamless integration of the two, to provide **virtually** simultaneous telephonic and non-telephonic data communication. The availability of packet switching elements in the hybrid **network** facilitate this process.

In packet switching **networks** , packets in the forni of units of data are transmitted froin a source-such as...

...character. The devices therriselves typically are referred to as users, in the context of the **network** . Blocks or ftarnes of data are transmitted over a **link** along a path between nodes of the **network** . Each block consists of a packet together with control infonnation in the form of a...

...such as a cyclic redundancy code for detecting errors.

At the other end of the **link** , the receiving node strips off the control information, perforins the required synchronization and error detection ...

...Packet switching arose, in part, to fulfill the need for low cost data communications in **networks** developed to allow access to host computers. Special purpose computers designated as communication processors haye...

...communication processor is adapted to interface with the host and to route packets along the **network** ; consequently, such a processor is ofien simply called a packet switch. Data concentrators have also bcen developed to interface with hosts and to route packets along the **network** . In essence, data concentrators serve to switch a number of fightly used links onto a...

...links. They are often used in conjunction with, and ahead of, the packet switch.

In **virtual** circuit (VC) or connection-oriented transmission, packet-switched data transmission is aceomplished via predetermined end-to- end paths through the **network** , in which user packets associated with a great number of users share **link** and switch facilities as the packets travel over the **network** . The packets may require storage at nodes between transmission links of the **network** until they may be forwarded alont the respective outgoing **link** for the overall path. In connectionless transmission, another mode of packet-switched data transm6sion, no initial connection is required for a data path through the **network** . In this mode, individual datagrams carrying a destination address are routed through the **network** from source to destination via intermediate nodes, and do not necessarily arrive in the order...
...they were transmitted.

124
In a lookup step 5108, the telephonic communication over the hybrid **network** is limited bases on a user proffle. Preferably the user profile is included in a...

...can provide seamless eross-location registration without the need for duplicate databases located on different **networks** . Using a rules database, a user utifiang the Internet in Europe can get the same...

...with the Internet. Multimedia computer speakers are used to receive the telephony audio froin the **network** and the microphone is used to transmit the telephony data to the **network** .

Data Mininiz
The present invention includes data mining capability that provides the capability to analyze **network** management data looking for pattems and correlations across multiple dimensions. The system also constructs models...

...of the data in order to predict future growlh or problerns and facilitate managing the **network** in a proactive, yet cost-effective manner.

A teclinique called data mining allows a user...

...behavior prediction.

In a model building step 5204, the system builds a model of the **network** behavior based on the patterns and correlations identified in step 5202. Data mining is a...

...predicting step 5206.

In a predicting step 5206, the system predicts future behavior of the **network** based on the model generated in step 5204. There are two existing forms of data...

...Top-down systems are also referred to
126
Finally, in a managing step 5208, the **network** is managed based on the future behavior of the **network** . Data mining involves the development of tools that analyze large databases to extract useful information...
electronic inforination use. WAF also features
128
The Intemet is a method of interconnecting physical **networks** and a set of conventions for using **networks** that allow the computers they reach to interact. Physically, the Intemet is a huge, global **network** spanning over 92 countries and comprising 59,000 academic, commercial, govemment, and military **networks** , according to the Govemment Accounting Office (GAO), with these numbers expected to double each year...

...an open nature and is available to everyone, meaning that it attempts to create a **network** protocol system that is independent of computer or **network** operating system and architectural differences. As such, TCP/IP protocols are publicly available in standards...LANs ITU H.323 ITU Recommendation for Visual Telephone Systems and Equipment for Local Area **Networks** which provide a non-guaranteed quality of service.

ITU H.324 Recommendation for Terminals and...

...for Multimedia Data.

In addition, several other relevant standards exist including.
ISDN Integrated Services Digital **Network** , the digital communication standard for transmission of voice, video and data on a single communications **link** .

RTP Real-Time Transport Protocol, an Internet Standard Protocol for transmission of real-time data Eke voice and video over unicast and multicast **networks** .

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PPP Point-to-Point Protocol
MPEG Motion Pictures Expert Group, a standards body under...

...hardware and software, even if Internet communication is not required.

Independence from any specific physical **network** hardware, allows TCP/IP to integrate many different kinds of **networks** . TCP/IP can be used over an Ethernet, a token ring, a dial-up line, or **virtually** any other kinds of physical transmission media.

An understanding of how information travels in communication...

...taken by key players in today's Intemet backbone business. @ The traditional type of communication **network** is circuit switched. The U.S. teleplione system uses such circuit switching tecliniques. When a...

...a physical path from the originating teleplione to the receiver's teleplione. A circuit-switched **network** attempts to form a dedicated connection, or circuit, between these two points by first establishing...

...of a completed path is a prerequisite to the transmission of data for circuit switched **networks** . After the circuit is in place, the microplione captures analog signals, and the
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Upon...

...local loops typically 1 5 exists as the "last mile" of each of the teleplione **network** circuits to attach the local teleplione of the calling party.

This guarantee of capacity is the strength of circuit-switched **networks** . However, circuit switching has two significant drawbacks. First, the setup time can be considerable, because...

...voice using less than one-tenth of the bandwidth of PCM. However, the circuit switched **network** blindly allocates 64 Kbps of bandwidth for a call, end-to-end, even if only...

...conference bridging equipment.

132
Other reasons for long call setup time include the different signaling **networks** involved in call setup and the sheer distance causing propagation delay. Analog signaling from an end station to a CO on a low bandwidth **link** can also delay call setup. Also, the call setup data travels great distances on signaling **networks** that are not aIways transmitting data at the speed of light. When the calls are international, the variations in signaling **networks** grows, the equipment handling call ...are even greater, so call setup slows down even more. Further, in general, connection-oriented **virtual** or physical circuit setup, such as circult switching, requires more time at connection setup time...

...single block may tie up a line for many minutes, rendering message switching useless for **interactive** traffic.

Packet switched **networks** , which predominate the computer **network** industry, divide data into small pieces called packets that are multiplexed onto high capacity intermachine...

...sinall packets and sent one at a time from one machine to the other. The **network** hardware delivers these packets to the specified destination, where the software reassembles them into a single file.

Packet switching is used by **virtually** all computer interconnections

because of its efficiency in data transmissions. Packet switched **networks** use bandwidth on a circuit as needed, allowing other transmissions to pass through the lines...

...understand the Internet, a comparison to the teleplione system is helpful. The public switched teleplione **network** was designed with the goal of transmitting human voice, in a more or less recognizable...

...performance of these lines.

5 The Internet is composed of a great number of individual **networks** , together forming a global connection of thousands of computer systems. After understanding that machines are connected to the individual **networks** , we can investigate how the **networks** are connected together to form an intemetwork, or an intemet. At this point, intemet gateways and intemet routers come into playIn terms of architecture, two given **networks** are connected by a computer that attaches to both of them. Internet gateways and routers provide those links necessary to send packets between **networks** and thus make connections possible. Without these links, data communication through the Internet would not...

...incomprehensible upon arrival. A gateway may be thought of as an entrance to a communications **network** that performs code and protocol conversion between two otherwise incompatible **networks** . For instance, gateways transfer electronic mail and data files between **networks** over the intemet.

IP Routers are also computers that connect **networks** and is a newer terin preferred by **vendors** .

These routers must make decisions as to how to send the data packets !t receives to its destination through the use of continually updated routing tables. By analyzing the destination **network** address of the packets, routers make these decisions. Importantly, a router does not generally need...

...host or end user will receive a packet; instead, a router seeks only the destination **network** and thus keeps track of information sufficient to get to the appropriate

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Now, it...

...a given end office calls a user attached to a different end office, more

Using **Network** Level Communication for Smooth User Connection

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The basis of Intemet service is an underlying...tha---t make such choices. For the routing of information froni one host within a **network** to another host on the same **network** , the 1 5 datagranis that are sent do not actually reach the Internet backbone. This is an example of intemal routing, which is completely self-contained within the **network** . The machines outside of the **network** do not participate in these internal routing decisions.

At this stage, a distinction should be...

...Direct delivery is the transmission of a datagram froni one machine across a single physical **network** to another machine on the same physical **network** . Such deliverties do not involve routers. Instead, the sender encapsulates the datagram in a physical...

...frame directly to the destination machine.

Indirect delivery is necessary when more than one physical. **network** is involved, in particular when a machine on one **network** wishes to communicate with a machine on another **network** .

This type of communication is what: we think of when we speak of routing

infonnation...

...the datagram can be sent, and the router then forwards the datagram towards the destination **network** . Recall that routers generally do not keep track of the individual host addresses (of which there are millions), but ratherjust keeps track of physical **networks** (of which there are thousands). Essentially, routers in the Intemet form a cooperative, interconnected structure...

...a router that can deliver the datagram directly.

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Asynchronous Transfer Mode (ATM) is a **networking** technology using a high-speed, connection-oriented system for both local area and wide area **networks** . ATM **networks** require modem hardware including.

High speed switches that can operate at gigabit (trillion bit) per...

...unnecessary. Thus, frame relay offers increased performance compared to traditional systems.

An Integrated Services Digital **Network** is an "international telecommunications standard for transmitting voice, video, and data over digital lines," most cornmonly running at 64 kilobits per second. The traditional phone **network** runs voice at only 4 kilobits per second. To adopt ISDN, an end user or...

...testing, scheduling, and training in all disciplines of the ISP.

ATM (asynchronous transfer mode) pushes **network** control to the periphery of the **network** , obviating the trunk and switching models of traditional, circuit-based telephony. It is expected to...

...agreements between WAF participants in regards to the use of electronic content such as commercially **distributed** products. These control capabilities manage the use of, and/or auditing of use of, electronic... information. A WAF content container is an object that contains both content (for example, commercially **distributed** electronic information products such as computer software programs, movies, electronic 1 5 publications or reference...

...of products and services via a displayed catalog in operation 5400. As an option, a **virtual** shopping cart environment may be provided. Further, in operations 5402 and 5404, data, Le. specifications...the data relating to at least one of the products and services may include a **link** to related data. The comparison between different products and services could include a comparison to...

...electronic form, that is the progressive
creation of commercial relationships that form, over time, a **network** of interrelated agreements representing a value chain business model. This is achieved in part by...allows users to maintain a single transaction management control
arrangement on each of their computers, **networks** , communication nodes, and/or other electronic appliances. Such a general purpose system can serve the...
...content from other content creators for inclusion into their products or for other use. Clearinghouses, **distributors** , content creators, and other WAF users can afl interact, both with the applications running on ...

...with each other, in an entirely consistent inanner, using and reusing (largely transparently) the same **distributed** tools, niechanisins, and consistent user interfaces, regardiess of the type of WAF activity.

WAF participants...

...be served and it can bind such participants together in a universe wide, trusted commercial **network** that can be secure enough to support very large amounts of coninierce.

WAPs security and...

...used. This core can perform security and audifing functions (including metering) that operate within a " **virtual** black box7 1 1a collection of **distributed** , very secure WAF related hardware instances that are interconnected by secured information exchange (for example, telecommunication) processes and **distributed** database means. WAF further includes highly configurable transaction operating system technology, one or more associated...

...allowing purchase of products and services via a display catalog. The display catalog may display **linkable** pictures, such as visual representations of products for sale. The display catalog may also display **linkable** text which could represent a product or family of products, as well as services offered. Other **linkable** text or pictures could be implemented to provide multiple ways to traverse the display catalog to ease navigation along a page or between van'ous pages. An exemplary **link** would include at least one textual or picture **link** displayed on each page of the display catalog that would permit a user to purchase...

...that page or associated with a particular good or service displayed on the page. Such **link** may resemble a shopping cart.

Preferably, the default setting of the display catalog would be...

...products or services as well as specifications. The data and comparisons may be accessed through **linking** of pages containing the data with **linkable** pictures and text. For example, a more detalled picture of a particular product illustrating its most salient features may be **linked** to a smaller or more generic picture of the product on a page displaying various...

...embodiment of the electronic commerce component of the present invention is provided for facilitating a **virtual** shopping transaction. First, a plurality of items, Le.

products or services, are selected from a...basket window is displayed on the catalog window and a display position is moved in **linkage** with the movement of a mouse pointer. The shopping basket includes a list of items ...

...embodiment of the electronic commerce component of the present invention is provided for facilitating a **virtual** shopping transaction by ascertaining needs of a user. A more detailed descriiption is shown in... manufacture is provided for allowing a user to custoinize an item for purchase in a **virtual** shopping environment, as shown in Figure 54, operation 5408. Figure 60 provides more detall. Referring...

...a system and method for conducting commerce via an electronle means, such as a computer **network** , cable television **network** , or direct dial modem. Previous attempts to provide electronic commerce subsystems have been custom tailored...

...external, third-party services, e.g., the credit server to an external credit card processing **network** or the member server to an externa! demographics processing module. The actual applications e.g...

...aecount or ID information of the user be stored on the remote server in the **network** for some definite period of time. Usually, the user must keep track of the aecount...

...transaction processing capabilities of conventional automated teller machines with video, graphics, audio and printer operations. **Interactivity** with the customer is governed by a software system through the use, for example, of...to the customer when orders are completed.

The central data processing center is also remotely **linked** to institutions, such as insurance companies, serviced by the system to keep the institution updated...

...the planning of a business trip or vacation which is periodically updated via a communication **link** with the remote control center. The self-service terminal normally operates off-line.

Payment for...

...also seeking improved security.

Automation has achieved some of these qualities for large transactions through **computerized** electronle funds transfer (IIEFT") systems. Electronie funds transfer is essentially a process of value exchange...

...on-line system to transfer money between aecounts, such as between the account of a **merchant** and that of a customer, cannot satisfy the need for an automated transaction system providing...for specific purposes.

It is desirable for a computer operated under the control of a **merchant** to obtain information offered by a customer and transmitted by a computer operating under the control of the customer over a publicly accessible packet-switched **network** (e.g., the Internet) to the computer operating under the control of the **merchant** , without risking the exposure of the information to interception by third parties that have access to the **network** , and to assure that the information is from an authentic source. It is further desirable for the **merchant** to transmit information, including a subset of the information provided by the customer, over such a **network** to a payment gateway computer system that is designated, by a bank or other financial...

...with third-party certification authorities, thereby allowing the customer to transmit encoded information to a **merchant** , some of which may be decoded by the **merchant** , and some which can be decoded only by a payment gateway specified by the customer...

...computer connection, Therefore, SSL does not provide a mechanism for transmitting encoded information to a **merchant** for retransmission to a payment gateway such that a subset of the information is readable to the payment gateway but not to the **merchant** . Although SSL allows for robustly secure two-party data transmissim, !t does not meet the...

...interfaces for different types of data to be entered, and provide different discount rates to **merchants** for complying with various data types. Moreover, a plethora of report generation mechani4ms and formats are utilized by **merchants** that banking organizations work with.

Banks are unwilling to converge on "standards" since convergence would facilitate switching from one acquiring bank to another by **merchants** . In general, banks desire to increase the cost that a **merchant** incurs in switching from. one acquiring bank to another acquiring bank. This is aecomplished by supplying a **merchant** with a terminal that only communicates utilizing the bankIs proprietary protocol, and by providing

other value-added services that a **merchant** may not be able to obtain at another bank.

Internet-based payment solutions require additional private, secure, dedicated phone or leased line service utilized between a traditional **merchant** and an acquiring bank. Thus, !t is critical that any solution utilizing the Internet for...

...these messages comprise almost the entire volume of the total number of messages between the **merchant** and the autborizing bank, but only half of the total number of different message types...

...millions of potential customers is to use the global Internet. The global Internet is a **network** of computer **networks** that links 165 together millions of coniputer systems using the well defined TCP/IP protocol...for rapid development of workgroup applications such as sharing of documents between users over a **network** . Generally, Lotus Notes and, thus, its Application Development Environment, is directed at sharing of documents...

...of the electronic commerce component of the present invention is adapted for advertising in a **virtual** shopping environment in operation 5410 of Figure 54. Figure 61 illustrates the operation in more...

...Payment is then accepted in exchange for the selected items in operation 6105. While the **virtual** shopping environment is being used, advertisement information may be displayed which relates to at least...

...the user, may be provided. Ideally, all cross-selling, up-selling, advertisements, and promotions are **linked** to pages containing greater detail or to a purchasing area.

170 The use of advertising...to view or listen to a program or to otherw!se receive information. Furthermore, in **virtually** all such systems or media, the juxtaposition or placement of advertisements and information content is...

...presentation editing capacity.

171 Distributing information via the Internet or other publicly accessible computer communication **networks** has been largely unsupported by advertising revenues due to the lack of good mechanisms for...

...selectively determining prices and availability of items, Le. products or services, for purchase in a **virtual** shopping environment.

based on a user profile, as performed by operation 5412 of Figure 54...

...user. The user profile is preferably created in a manner that predicts buyitig tendencies. The **virtual** shopping environment is tailored automatically based on the user profile.

A plurality of items (!.e...
...exchange for the selected items in operation 6310, as discussed in more detail below.

The **virtual** shopping environment may be tailored by generating prices associated W'ith the items based on...

...of receiving that credit may be produced based on the prorile of the user.

The **virtual** shopping environment is further tailored by generating

prices associated with the items based on a...

...that is generated may be stored and subsequently displayed during a subsequent use of the **virtual** shopping environment by the user. The **virtual** shopping envirom-nent may also be tallored by varying availability of the items based on...

...increasing importance, especially where retailing is highly competitive and price
management is essential for a **merchant** to keep pace with competitors, One area that has produced such a multitude of products...
...within the product type. Moreover, each manufacturer sells its products through a large number of **distributors** and, ultimately, to retafi stores, with the result that the pricing of the same product can differ from **distributor** to **distributor** , from retailer to retaller and from geographic market to geographic market. Even within a single **merchant** 's **inventory** , price variations on an individual product oecur, e.g, an advertised special versus the "regular" price.

To keep pace with competitors, a **merchant** may obtain pricing information by reviewing competitors' advertisements, printed or otherwise, by actual shopping of...a defined period, after which the "sale" price reverts to the "regular" price. If a **merchant** wishes to change prices in response to a competitor's price, usually special effort 174...

...frequently, such as once or twice per day. Such frequency is prohibitive, and thus, a **merchant** cannot respond dally to market price changes involving hundreds to thousands of produets. Moreover, keeping...

...price, (Le., in accordance with the merchant1s pricing policy).

Various pricing systems are known, although **virtually** none implement complex pricing policies. Many systems, especially in the stock brokerage area, will
provide...

...For
example, hardware and maintenance costs are involved in establishing and maintaining information servers and **networks** . In addition, labor costs are involved in keeping the information in the servers current.

One...

...accessed to provide the monetary resources necessary
to establish and maintain such an electronic information **network** is the individual end users which consume the electronic information. This electronic information, however, has...rernote location for pickup at an article pickup area at an autornated store, comprising: an **interactive** system for communicating a custorner's purchase order for at least one article; a host...

...a plurality of storage locations associated with the autornated store to be retrieved, including a **network** of dispensing stations interconnected by at least one device for transporting
178
The quick-stop...

...remote location for pickup at an article pickup arca at an automated store includes an **interactive** system for conununicating **purchase information** to the customer and **communicating** the custorner's purchase order for at least one article; a host computer including provisions...

...locations associated with the automated store and the system for retrieving the articles includes a **network** of dispensing stations interconnected by at least one apparatus for transporting the articles

from the...

...b) receiving the custorner's purchase order at a host computer in communication with the
interactive electronic **network** ;
(c) processing the custorner's purchase order and storing the purchase order in a database the license agreernent is generated.

Most software **vendors** currently favor licensing as the preferred method of distributing software. Licensing software provides the **vendor** with a certain
amount of control over the **distributed** software which may he used to the
vendor1s advantage. For example, licensing software allows the **vendor** to
prohibit unauthorized usage of the software that might facilitate unauthorized copying. In addition, licensing provides an advantageous method of providing and billing for software. Through licensing, the **vendor** may sell several identical copies of the same software and charge the buyer for each copy.

Licensing scheines have adapted to the **network** environnient: as weIl as the individual personal computer. In a **network** enviromnent, such as a client-server **network** , multiple users may access the same copy of a particular application. Consequently, the **vendor** can charge the **network** owner not for the number of copies installed on the **network** , but for the number of users having access to the software.

Software is conventionally licensed using an agreement between the **vendor** and the user or administrator. The agreement is typically elther a conventionally signed contract or...

...or less applicable to licensing for individual systems, they are not well-suited to the **network** environnient. Both traditional and shrink wrap licensing schemes are difficult to enforce on a **network** where sevcra] users have access to the software. Consequently, various electronic systenis have been devised for controlling access to software on a **network** .

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Electronie licensing typically compriises providing a set of criteria under which a request for...

...that machine. Consequently, a central server containing most of the licenses available on a particular **network** is mainly responsible for maintaining the licenses.

In addition, conventional ficensing systems rely on code....

...and sales of software programs have become significant businesses both for companies which are primarily **vendors** of hardware, as well as for companles which vend software alone. Software is typically sold under license, that is, **vendors** transfer copies of software to users under a ficense which
182
governs how the users...

...the number of processors in the system, or the number of individual nodes in a **network** , since these factors provide measures of the number of users which may use the software...

...used on identified processors or by the numbers of users permitted by the license.

A **network** environment for computers permits several computers or terminals to use or have access to one...

...more programs. Traditionally, an end user would have to obtain a license from, a software **vendor** to authorize use of the **vendor** 's software on terminals or workstations within the **network** .

One method for providing access to software is known as the single-CPU or single...few users of a company actually need the software.

In the instance where a software **vendor** offers a choice between CPU-locked and site licensed software, it is the number of...
...more than a single copy of the software may not buy it, thus depriving a **vendor** of potential revenue.

Similarly, **vendors** lose potential revenue when they permit a company with a
184
very large number of...

...to deliver to the end user.

185
When computer software produets are used in a **network** environment (which
may include computers running in various roles as workstations and servers of various types **linked** together over a data path), additional. licensing challenges are present. For example, a **network** may permit a user at one node (which may be a termina! or workstation, for instance) to utilize a software product running at another node (which may be the **network** server or even another workstation).

Consequently, the terms of the single-computer type of software license might not cover the usage of the software product on the **network** , or worse still (from the point of view of the licensor) might actually permit such a usage without a~tional compensation to the licensor. One approach to **network** licensing is to grant permission to use the program based on all of the nodes on the **network** , and to require a ficense for each node. Then typically the license fee may be increased as the number of nodes on the **network** increases. Another approach bases the license fee for a software product running on a **network** on the total number of individual users who might actually run the software, regardless of the number of nodes either on the **network** or running the software product at a given time. These approaches, however, have usually required the cooperation of
the licensee, because additional nodes may be added to the **network** , or additional users may utilize the software, without the knowiedge of the licensor, who is...and also require reliance on licensee cooperation.

186
Recently it has become practical in some **network** environments to determine and limit the number of nodes that may access a software product...

...a license server, is typically used to distribute license keys (sometimes called
"tokens1I) over the **network** to nodes requesting access to run a software
product; the number of keys is tracked...

...be used to assure the administration of, and adequacy
187
(1) creators, publishers, and other **distributors** , of electronic information,
(2) financial service (e.g. credit) providers,
(3) users of (other than...

...WAF value chain participants. For example, an electronic agreement

between a content creator and a **distributor** may establish both. the priice to the **distributor** for a creator's content (such as for a property **distributed** in a WAF container object) and the number of copies of this object that this **distributor** may distribute to end-users over a given period of time. In a second agreement...

...tliree party agreement in which the end-user agrees to certain requirements for using the **distributed** product such as accepting **distributor** charges for content use and agreeing to observe the copyright rights of the creator. A third agreement might exist between the **distributor** and a financial clearinglíouse that allows the **distributor** to employ the clearinglíouse's credit for payment for the product if the end-user...pnices are reflected by competing bid and ask prices communicated among institutions, banks, brokers, and **dealers** in the secondary market.

For example, the y!eld of a treasury note increases as...

...very complexity associated with the transactions and the scale of trading undertaken by banks, brokers, **dealers** and institutional participants necessitates a nigidly structured approach to trading.

In the past, open oulcry...regardless of the number of following transactions. To properly track activity, a trade generates a (**virtual** and/or real) single trade ticket--with associated, and screen-displayed, reference number.

CONTENT CHANNEL...from web browsers
Builds and maintains multiple feedback forms and surveys
Delivers and automatically processes **interactive** online forms
Displays and analyzes real time survey reports in text and graphic format
Downloads for accessing data on a **network** , Le. the Intemet, after which such.content is managed in operation. Note operations 7000 and...

...advertising on optical discs may include actors, directors, script and other writers, musicians, studios, publishers, **distributors** , retailers, advertisers, credit card. services, and content end-users.

These participants need the ability to...

...of dollars in annual revenue according to the Intemational Intellectual Property Alliance. Content providers and. **distributors** have devised a number of limited function rights protection mechanisms to protect their rights. Authorization...

...flexible enough to support the generalized
209
WAF Control Capabilities
WAF allows the owners and **distributors** of electronic digital information to refiably bill for, and securely control, audit, and budget the...

Claim
483
. A method for providing **network** services in a system as recited in claim 1, wherein the step of caching content of the **network** includes accessing the cached content without accessing the original content source and automatically updating the cached content. . A method for providing **network** services in a system as recited in clalm 1, wherein the 1 5 step of providing application proxy services on the **network** includes controlling access permissions.

4 A method for providing **network** services in a system as recited in clalm 1, wherein the step of managing resources of the **network** includes identifying and automatically bypassing an unavailable **network** object.
5 . A method for providing **network** services in a system as recited in

claim 1, wherein the step of controlling at least one of bandwidth and speed of the **network** is based on a user profile.

6 A method for providing **network** services in a system as recited in claim 1, wherein the step of enabling remote access services on the **network** includes enabling a high density modem pool and providing a remote access point.

7 A method for providing **network** services in a system as recited in claim 1, wherein the step of enabling remote access services on the **network** includes providing an integrated firewall and access control.

484

. A method for providing **network** services in a system as recited in claim 1, wherein the step of affording firewall services on the **network** includes storing and reporting firewall functions and firewall attacks.

10 An apparatus for managing **network** assets through asset tracking in an e-Commerce
based **supply chain** framework comprising:
(a) logic that caches content of a **network** ;
1 0 (b) logic that provides application proxy services on the **network** ;
(c) logic that manages resources of the **network** ;
(d) logic that manages **network** objects on the **network** ;
(e) logic that controls at least one of bandwidth and speed of the **network** ;
(f) logic that enables remote access services on the **network** ;
1 5 (g) logic that affords firewall services on the **network** ; and
(h) wherein logic elements (a)-(g) are executed for tracking assets of the **network** .

11 A computer program embodied on a computer-readable medium that manages **network** assets through asset tracking in an e-Commerce-based **supply chain** frarnework,
comprising:
(a) a code segment that caches content of a **network** ;
(b) a code segment that provides application proxy services on the **network** ;
(c) a code seginent that manages resources of the **network** ;
(d) a code segment that manages **network** objects on the **network** ;
(e) a code segment that controls at least one of bandwidth and speed of the **network** ;
(f) a code seginent that enables remote access services on the **network** ;
(g) a code segment that affords firewall services on the **network** ; and
(h) wherein code segnients (a)-(g) are executed for tracking assets of the **network** .

12 A computer program embodied on a computer-readable medium that provides **network** services in a system as recited in claim 1 1, wherein the code segment that caches content of the **network** accesses the cached content without accessing the original source and the automatically updates the cached content.

485

. A computer program embodied on a computer-readable medium that provides **network** services in a system as recited in claim 1 1, wherein the code segment that manages resources of the **network** identifies and automatically bypasses an unavailable **network** obj ect.

15 A computer program embodied on a computer-readable medium that provides **network** services in a system as recited in claim 1 1, wherein the code segment that controls at least 1 0 one of bandwidth and speed of the **network** utilizes a user profile.

16 A computer program embodied on a computer-readable medium that provides **network** services in a system as recited in claim 1 1, wherein the code segment that enables remote access services on the **network** enables a high density modem pool and provides a remote access point. 1 5

17. A computer program embodied on a computer-readable medium that provides **network** services in a system as recited in claim 1 1, wherein

the code segment that enables remote access services on the **network** provides an integrated firewall and access control.

18 A computer program embodied on a computer-readable medium that provides **network** services in a system as recited in claim 1 1, wherein the code segment that affords firewall services on the **network** controls the **network** access based on a secunity rule.

19 A computer program embodied on a computer-readable medium that provides **network** services in a system as recited in claim 1 1, wherein the code segment that affords firewall services on the **network** stores and reports firewall functions and firewall attacks.

20 A method for technology sharing during asset management in a **network** -based **supply** **chain** , comprising the steps of : (a) developing content of a technology interface for sharing technology on a **network** ; (b) managing the content of the technology interface and **network** assets of the **network** ;
486
. A method as recited in claim 20, wherein the step of developing content of...

...technology interface includes automatically notifying a content developer of a work assigranent during management of **network** assets.

23 A method as recited in claim, 20, wherein the step of managing the content and **network** assets includes assigning a secure access for specific users and specific projects.

24 A method as recited in claim 20, wherein the step of managing the content and **network** assets includes maintaining meta data.

25 A method as recited in claim 20 wherein the step of managing the content and **network** assets includes utilizing language translation tools.

26 A method as recited in claim 20, wherein...and automatic testing capabilities.

29 A system for techriology sharing during asset management in a **network** -based **supply** **chain** , comprising: (a) logic that develops content of a technology interface for sharing technology on a **network** ; (b) logic, that manages the content of the technology interface and **network** assets of the **network** ;
(c) logic that approves the publication of the content before transmission of the content; and...
...the technology interface autornatically notifies a content developer of a work assigninent during management of **network** assets.

33 A computer program as recited in clalm 30, wherein the code seginent that manages the content and **network** assigns a secure access for specific users and specific projects.

34 A computer program embodied...

...tests the content of the technology interface includes remote and automatic testing capabilities.
489
120
NETWORK (135)
110 116 114 1118 134
CIDU ROM RAM 110 COMMUNICATION
@ADAPTERI 1 ADAPTER

122...

...126 128
Figure 1
202
200
m4
E-Commerce Market Space
206
AC's e- **Supply** **Chain** Enter
prise
.... ------
Demand Maintenance Procurement
Installation Order 1 Netwo Asset -bution
& **supply** Distn
Management **Management** **Managernent** and & Recov- & **Logistics**
PLanning Servi **Inventory**
2 218 2207 @1/
20W8 1 0 2 1 2m)r,) 2@14)@ 216
Informabon
:ZP
204
Figure 2
302
MANAGING INSTALLATION OF A SERVICE UTILIZING A **NETWORK**
4
PLANNING DEMAND AND SUPPLY OF MANUFACTURER
OFFERINGS UTILIZING THE **NETWORK**
6
MANAGING ORDERS FOR THE MANUFACTURER OFFERINGS
UTILIZING THE **NETWORK**
8
UTILONG THE **NETWORK** TO MANAGE **NETWORK** ASSETS
310
PROVIDING MAINTENANCE AND SERVICE FOR THE **NETWORK**
ASSETS UTILIZING THE **NETWORK**
Fi' ure 3
9
3/129
408 410 412 41
400
Installation De Order **Network**
Managem
ent Maniagement Asset 11
Pl Management ji
o Faster time to site
402 1
integration
o Better on-line **network**
performance
0 u SP
> C
eRapid integration of
acquisition
rder to cash nM
oFaster o...

...nM
Figure 4
Core Competencies New Bu.c
502 Service Provider Si
New customer acquisitions **Network** is o Provide
New customer segmentation planned based channel
strategy on a ccapability, offering
Le...

...synchronized
Focus on managinl.the o Gain thi
customer relationship with the the net-v
network roll out their so'
Focus on managing production
capacity joint o The abil
*Focus on R & D optimization of manufa
network assets alliance
integrat
Focus on market coverage roll differen
out
Figure 5
212
Market Space
210 EISUPply ,214
208
Demand &
TI Installation Order **Network** Asset
SUPply j
Management **Management** **Management**
Planning
End to end process visibility and harmonization
New Capabilities
202 d E Collaborative a...

...9 Tracking and management
a Milestone based E Collaborative status 9 Asset tracking
project planning **network** roll-out 9 Order capture a Growth
a Visibifity and planrung
9 Standardization/ o Capacity...

...Coordination o Technology
o Services o Amount
9 Collaborative
Capacity Planning 9 Product
9 Reverse **inventory** launch/roliout
management 9 Technology
a Technology Sharing
sharing
Main Enablers
a Collaborative a **Supply** **chain** 9 Electroruc order 9 Asset tracking
tool
planning tool planning tool capture
9 Life cycIe...

...9 Roll-out planning a Order tracking 9 Roll-out
tool tool Planning Tool
E **Network**
operations **link**
0
Figure 6
RECEIVING INFORMATION FROM AT LEAST ONE SERVICE 2
PROVIDER UTILIZING A **NETWORK** , WHEREIN THE INFORMATION
OF THE AT LEAST ONE SERVICE PROVIDER INCLUDES
INFORMATION RELATING TO THE...

...BY THE
SERVICE PROVIDER
ir
RECEIVING INFORMATION FROM AT LEAST ONE MANUFACTURER 4
UTILONG THE **NETWORK** , WHEREIN THE INFORMATION OF THE
MANUFACTURER INCLUDES INFORMATION RELATING TO
MANUFACTURER OFFERINGS
6
MATCHING THE...

...Figure 7
7/129
RECEIVING -INFORMATION FROM AT LEAST ONE SERVICE 2
PROVIDER UTILONG A **NETWORK** , WHEREIN THE INFORMATION
FROM THE AT ...LEAST ONE
SERVICE PROVIDER
RECEIVING INFORMATION FROM AT LEAST ONE MANUFACTURER 8 4
UTILONG A **NETWORK** , MEREIN THE INFORMATION FROM THE
AT LEAST ONE MANUFACTURER INCLUDES INFORMATION
RELATING TO THE SUPPLY...

...SERVICE PROVIDER
nn4
TRANSMITTING THE REQUESTED ORDER TO AT LEAST ONE
MANUFACTURER
on6
UTILIZING A **NETWORK** TO RECEIVE INFORMATION FROM THE
MANUFACTURER RELATING TO THE STATUS OF THE
COMPLETING OF THE...

...THE
TRACKING
Ir
912
TRANSMITTING THE PERIODIC PROGRESS REPORTS TO THE
SERVICE PROVIDER UTILIZING THE **NETWORK**
Figure 9
9/129
RECEIVING INFORMATION FROM AT LEAST ONE SERVICE 1002
PROVIDER UTILONG A **NETWORK** , WHEREIN THE INFORMATION
FROM THE AT LEAST ONE SERVICE PROVIDER INCLUDES
INFORMATION RELATING TO PRESENT **NETWORK** ASSETS OF
THE AT LEAST ONE SERVICE PROVIDER
RECEIVING INFORMATION FROM AT LEAST ONE MANUFACTURER 1004
UTILIZING THE **NETWORK** , WHEREIN THE INFORMATION FROM
THE AT LEAST ONE MANUFACTURER INCLUDES INFORMATION
RELATING TO PRESENT **NETWORK** ASSETS OF THE AT LEAST
ONE MANUFACTURER
1006
DETERMINING THE NEEDED OPTIMAL **NETWORK** ASSETS BASED
ON THE PRESENT **NETWORK** ASSETS OF SERVICE PROVIDER
AND THE MANUFACTURER
1.008
MANAGING THE OPTIMONG OF THE **NETWORK** ASSETS BASED
ONE THE DETERMINATION OF NEEDED OPTIMAL **NETWORK**
ASSETS
Figure 10
10/129
1102
RECEIVING AT LEAST ONE NOTICE FOR RECOMMENDED
MAINTENANCE AND SERVICE FROM AT LEAST ONE
MANUFACTURER UTILIZING A **NETWORK**
1104
RECEIVING AT LEAST ONE REQUEST FOR MAINTENANCE A,ND
SERVICE FROM AT LEAST ONE SERVICE PROVIDER UTILIZING
THE **NETWORK**
1106
SCHEDULING MAINTENANCE AND SERVICE UTILIZING THE AT
LEAST ONE NOTICE AND THE AT LEAST...

...TO THE AT LEAST ONE
MANUFACTURER AND THE AT LEAST ONE SERVICE PROVIDER
UTILIZING THE **NETWORK**
Figure 11
11/129
1208

1200
12 2
1210
121
1206
1202 21
1216
BILLING...

...Rating &
1300 information Discounti
vice Quality
anagem
usagel performance 0ther
---
data request NIVIL-SIVIL interface
network usagel
Network Data Mgrrit performance info
etwork Planning performan > - collection, correlation
formatting of usage
@Design & Build goals
determine performance in performanc@Ntwk Maintenancle 1
-OlRe
degradation storatio
start/sto
Network p of capacity, utilisation and
Provisioning monitoring provide notification capaci!Zle uest
!t r
@@Netwark Planningl
@@tworkinventol Design & Build
performance
> -initiate Tra
Mana ement ffil C
usagel **network** changes **Network**
=formance function > Provisioning
ata
EIVIL-NIVIL interface

Element
Manageme
Figure 13
13/129
Collecting data relating to usage
and events occurring over a hybrid
network
1402
Analyzing the data to determine a
status of the hybrid **network**
1406
Utilizing the status of the hybrid
network during management of the
hybrid **network**
156
Determining billing rates and
discounts based on the status of
the hybrid **network**
Figure 14
14/129
1 NPUTS OUTPUTS
Customer
@esponsesto
End-Customer inquirieslorders
Processes usiness needsi...

...Processes inquirieslorders
Feedbacklinput

Figure 15
15/129
Receiving a service leve!
agreement for a hybrid **network**
customer
-11 en O 2
Storing the service leve!
agreement
099111~
ir
Receiving inquiries from the hybrid 1604
network customers reflecting
occurrences reiated to the hylarid
network
~dua
1 606
1 V
Generating events based on the
service leve! agreement and at...

...Service
(?uality Service Class 1
i anagerriant Quality Data
1300
her 2roviderl
Nptwnrk pprfnrminrp 1
Network Data and configuration data
Management
Figure 17
17/129
Receiving a hybrid **network** event
1802
Determining customer reports to
be generated
1804
Generating the customer reports
based on the hybrid **network** event
received
Figure 18
18/129
@
INPUTS OUTPUTS
Constraints, Sales
Sales Forecasts capacity >
1302
Service...

...constraints mendabons
A
ther provider
1300
th r orovacier,1 Aciditional
capacity Service
Configuration 1300
Network Data requiremen
@lanagement Performance/ Credit
Usage trends Violation
Pe **Network** Data
t er provider Usagereques Managemen
Prnhipm Trpntl-q
Network Mtee. Activity at n an
Maintenance and Progress scountn
& Restoration
1306
Figure 19
19/129

Receivin 'a hybrid **network** event
9
2002
Determining quality management
network data to be generated
2004
Generating the quality
management **network** data
2006
Identifying a **network** process to
which to send the generated
network data for managing service
quality in the hybrid **network**
architecture
mao~
Figure 20
20/129
ustorner us mar 1500
INPUTS OUTPUTS
1500 Trouble report...

...Configuratio
Initiate action lo reconfigure, if needed reconfiguration
Configuration notification/detali Generate trouble tickets lo **suppliers**
Confirm trouble cleared, notify customer rovider
Schedule with and notify customer of
er provide Trouble...
...correction. When a trouble is !dentified by Service Problem Resolution
(via Service Quality Management or **Network** Maintenance i and
Restoration) then Problem.Handling is notified in.order lo inform the
customer...

...pr9blem.

,j
Figure 21
21/129
Receiving a notification of a
problem within a hybrid **network**
2202
Determining a resblution for the
problem within the hybrid **network**
2204
Tracking a progress of the
implementation of the resolution
Figure 22
22/129
INPUTS...
...negotiated discounts Collection
Handling GOS Apply rebates
1304
Service
1300 e Quality
Credit violations Mgt.
Network Data Usage infDrmation
Managernent
Figure 23
23/129
Receiving customer usage 2400
information for a hybrid **network**
W,
Collecting **network** service leve!
agreement violations
EXIL, MIIIIII IMIM Iu 252
2402
ir

Receiving **network** quality of
service violations
EL, MIM 24 2404
Applying rating rules to the
network cus tomer usage
information
mil a 1 "111 2406
Determining negotiated discounts
based on the **network** quality of
service violations 408
Applying rebates based on the 2410
network service leve! agreement
violations
Providing billing data reflecting the
usage information, the negotiated 2412
discounts...

...and the billing data
Figure 26
26/129
Provide transfer of media over the'
hybrid **network** utilizing IP
information to route the media
2702
Generate an event based on QoS of
the media transfer
2704
utilize the event to bill for services
provided via the hybrid **network**
Figure 27
27/129
206
2801
1
>PROCESSOR
2804
MAIN
4-- " MEMORY 2806
SECONDARY
oc...

...11
48 DTA 12 DTA 13 DTA 14 DTA 15
49 OVFC DTAC NCID
50 **NETWORK** CALL IDENTIFIER (NCID)
51 **NETWORK** CALL IDENTIFIER (NCID)
52 **NETWORK** CALL IDENTIFIER (NCID)
53 **NETWORK** CALL IDENTIFIER (NCID)
54 **NETWORK** CALL IDENTIFIER (NCID)
55 T&C ROOM 1 T&C ROOM 2
56 T&C...Transmit data over a hybrid
communication system
4504
Obtain a First Event From a CS~
Network Element
4506
Correlate the First Event With a
Second Event Obtained From a PS~
Network Element
saco~,
4508
Create a Fault Message Based on
the Correlated First and Second
Events...

...46 4 4616 4634 Rernedy

<2>
Figure 46
46/129
4702
Monitor The Next Generation
Network
4704
Determine A Minimum Leve! of
Service
1
ir
4706
Sense The Current Leve! Of...

...With
Respect to the Minimum Leve! of
Service
47/129
4802
Element Software Monitors
Individual **Network** Elements and
Generates System Events
4804
Element Manager Receives Events
and Filters, Aggregates, and
Correlates...
...Events to the Proactive Threshold
Manager
Figure 48
48/129
4902
Monitor The Next Generation
Network
4904
Receive Events From **Network**
Elements
4906
Filter and Correlate the Received
Events
4908
Transfate the Events Into Standard
Object...

...ldentify Pattems and Correlations
in System Data
Build a Model of a Behavior of the
Network Based on the Pattems
and Correlations
5206
Predict Future Behavior of the of
the **Network** Based on the Model
5208
Manage the **Network** Based on the
Predicted Future Behavior of the
Network
Figure 52
52/129
5302
5300 5314 5316 5306 5308 5310
Security Services **Network** Services Internet Services
er @aa51-- 5efv ces HTTID P2go Filo Transfer SeNices
luthanticatio- @e(mRoAeDilUs...6810
69/129
nn
DEVELOPING CONTENT OF A DATA INTERFACE FOR ACCESSING DATA ON A
NETWORK

MANAGING THE CONTENT OF THE DATA INTERFACE
APPROVING THE PUBLICATION OF THE CONTENT BEFORE TRANSMISSION...

...CURRICULUM OF COURSE OFFERINGS
ALLOWING THE SELECTION OF THE COURSE OFFERINGS
EDUCATING USERS OVER A **NETWORK**
1 7106
DISPLAYING A STATUS OF THE EDUCATION OF THE USERS INCLUDING AT LEAST
ONE...

...ONE OF APPLICATION AND SYSTEM 7602
DATA BASED ON THE USER VERIFICATION DATA
y
ENABLING **VIRTUAL** PRIVATE **NETWORKING** 7604
Figure 76
5314
76/129
n
CACHING CONTENT OF A **NETWORK**
1 7702
PROVIDING APPLICATION PROXY SERVICES ON THE **NETWORK**
- - - --------------
MANAGING RESOURCES OF THE **NETWORK**
MANAGING **NETWORK** OBJECTS ON THE **NETWORK** 7706
8
CONTROLLING AT LEAST ONE OF BANDWIDTH AND SPEED OF THE **NETWORK**
1
ENABLING REMOTE ACCESS SERVICES ON THE **NETWORK** 7710
7
AFFORDING FIREWALL SERVICES ON THE **NETWORK**
Figure 77
5316
77/129
PROVIDING HUP PAGE RENDERING OVER A **NETWORK** FRAMEWORK
ENABLING SECURE BROWSER COMMUNICATION OVER THE **NETWORK** 7802
FRAMEWORK
AFFORDING ELECTRONIC MAIL .TRANSPORT SERVICES OVER THE 7804
NETWORK FRAMEWORK
7806
PROVIDING FILE TRANSFER SERVICES OVER THE **NETWORK**
FRAMEWORK
GATHERING AND LOGGING INFORMATION OF ONLINE EVENTS DURING 780',
ONLINE SESSIONS OVER THE **NETWORK** FRAMEWORK
INTERFACING APPLICATIONS VIA PREDETERMINED PROTOCOLS OVER 7810
THE **NETWORK** FRAMEWORK
Figure 78
5318
78/129
an
MANAGING CLIENT VERIFICATION DATA FOR USER AUTHENTICATION PURPOSES IN
A **NETWORK** FRAMIEWORK
1
PROVIDING ELECTRONIC MAIL CAPABILITIES IN THE **NETWORK** FRAMIEWORK
ENABLING **NETWORK** FRAMIEWORK BROWSING IN THE **NETWORK**
FRAMEWORK/,@@,,,.j
1
OUTPUTTING ANSWERS TO FREQUENTLY ASKED QUESTIONS RELATING TO THE 7906
CONTENT-RELATIED WEB APPLICATION SERVICES
1 79 8
PROVIDING NEWS READER CAPABILITIES IN THE **NETWORK** FRAMIEWORK
1
AFFORDING CHAT ROOM CAPABILITIES IN THE **NETWORK** FRAMEWORK 7910
ENABLING PLAYBACK CAPABILITIES IN THE **NETWORK** FRAMIEWORK
PROVIDING FINANCIAL TRANSACTIONAL CAPABILITIES IN THE **NETWORK**
FRAMIEWORK
5320

Figure 79
79/129
PROVIDING DATA ACCESS FROM MULTIPLE SIMULTANEOUS DATA 8000
SOURCES OVER A **NETWORK** FRAMEWORK
8002
STORING APPLICATION DATA OVER THE **NETWORK** FRAMEWORK
Figure 80
5324
80/129
INTEGRATING FINANCIAL SYSTEMS OVER A **NETWORK** FRAMEWORK
IMPLEMENTING SALES FORCE INTEGRATION OVER THE **NETWORK** 8102
FRAMEWORK
COMBINING HUMAN RESOURCE SYSTEMS OVER THE **NETWORK** 8104
FRAMEWORK
8106
INTEGRATING CALL CENTERS OVER THE **NETWORK** FRAMEWORK
5812 Figure 81
81/129
/ 8200
PROVIDING LOCATOR CAPABILITIES OVER A **NETWORK** FRAMEWORK
TRANSMITTING AT LEAST ONE OF STREAMING VIDEO AND AUDIO DATA 8202
OVER THE **NETWORK** FRAMEWORK
8204
LOGGING EVENTS OVER THE **NETWORK** FRAMEWORK
PASSIVELY MANAGING USER PROFILE INFORMATION OVER THE 8206
NETWORK FRAMEWORK
5326 Figure 82
82/129
VALIDATING USER PROFILE DATA IN A SYSTEM
02
MANAGING...

...DATA IN THE SYSTEM
STORING THE USER PROFILE DATA IN THE SYSTEM
8 3
MANAGING **NETWORK** OBJECT DATA IN THE SYSTEM 0
STORING THE **NETWORK** OBJECT DATA IN THE SYSTEM 8308
ASSIGNING OF COMMUNITY PROFILE DATA TO A COMMUNITY INCLUDING...

...COMMUNITIES OF USERS IN THE SYSTEM 8412
PROVIDING BACKUP CAPABILITIES IN THE SYSTEM 8414
PROVIDING **NETWORK** APPLICATION STAGING IN THE SYSTEM 841
5330
Figure 84
84/129
PROVIDING DEVELOPMENT TOOLS FOR...

...lo reach a large or diverse
intemal audience with this application.
Business
Imperatives
s ng **Network** -Centric IT Guiding
Architecture and Architecture Pnndpjes
Infrastructure
El. OtherNetwork-Centricapplicationshavebeen
developed and placed in...

...application.
parsonnui familiar wilh !he
development and operation of these G2. Reliance upon a single **vendor**
(IBM) for types of applications. technology solutions is acceptable.
G3. Contrali7,or1 applicalion and data...

...9104 ri
Figure 91
88/129

9202
RECEIVING A REQUEST FOR A SERVICE OVER A **NETWORK**
92 4
SEARCHING INFORMATION ON THE **NETWORK** IN ORDER TO
PERFORM THE SERVICE
ir
9206
SELECTING DATA FROM THE INFORMATION ON THE **NETWORK**
PERFORMING THE SERVICE UTILIZING THE DATA, WHEREIN THE 9208
INFORMATION ON THE **NETWORK** !S INFORMATION ABOUT A
PRODUCT AND THE DATA SELECTED FROM THE INFORMATION !S
A PRICE...

...PROVIDING A SEARCH MEC.HANISM FOR SEARCHING FOR ITEMS
SIMILAR TO THE PRODUCT OVER A **NETWORK**
9406
SUGGESTING THE ITEMS SIMILAR TO THE PRODUCT
9408
ALLOWING SELECTION OF THE PRODUCT AND THE ITEMS
SIMILAR TO THE PRODUCT FOR PURCHASE OVER THE **NETWORK**
Figure 94
90/129
9300
Figure 93
9004
Equivalent 9508
ltemi
Product
Comparison
9510
Dynamic...9718 Acquisition
Content Merge & Delivery
9720 9734
Administration Customer
ersonalization.,. Extension
9736
9700 Customer
Retention
Interactive , 9702
Figure 97 Marketing,
9700
9714
9710 9712
1 DATA WAREHOUSE CONTENT CATALOG
NTIFICATION)
4...

...Figure 108
99/129
0
E
PROVIDING AN ABILITY TO SEARCH FOR INFORMATION ON TH
NETWORK VIA A SITE
Ir
10904
DISPLAYING ORDER TRACKING INFORMATION FOR TRACKING AN
ORDER VIA THE...

...A TRAINING APPLICATION PROGRAM FOR TRAINING A
CUSTOMER IN USE OF THE SITE OVER THE **NETWORK**
1 10
INTERACTING WITH THE CUSTOMER IN REAL-TIME VIA THE SITE
BY ALLOWING THE CUSTOMER TO COMMUNICATE WITH A
CUSTOMER SERVICE REPRESENTATIVE OVER THE **NETWORK**
Figure 109
100/129

Order Return/ Help & Trouble
Site Search Tracking Merchandise Information Shooting
Credit...Commerce LAN rewa Packet filte
Router
Developmenti ging
Server Server n
Fulfillment Dial
Adminiltration Systems. **Merchant** aymeni
Database LAN Net
Figure 121
12206 12202
*Hardened OS *Hardened OS Hardene Hardened OS...

...Certificate SSLv3-12
p Development ging
Server Server
Fulfillment F
Systems
Administration r
12208 acy **Merchant**
Database LAN
Figure 122
02
PROVIDING AN E-COMMERCE APPLICATION WHICH ALLOWS THE
PURCHASE OF...
...to net
settiements
Usago Pmwssing clearing function.
Figure 127
113/129
ALLOCATING BANDWIDTH ON A **NETWORK** AMONG A PLURALITY 12800
OF USERS
12802
IDENTIFYING AN AMOUNT OF UNUSED BANDWIDTH OF A FIRST
USER
Ir
RECEIVING A REQUEST FOR BANDWIDTH ON THE **NETWORK** 12804
FROM A SECOND USER
REALLOCATING THE UNUSED BANDWIDTH OF THE FIRST USER 1 2816...

...FIRST USER
TO THE SECOND USER
Figure 131
117/129
ALLOCATING BAND~TH ON A **NETWORK** AMONG A PLURALITY 13200
OF USERS
IDENTIFY1NG AN AMOUNT OF UNUSED BANDWIDTH OF A FIRST 1 3212
USER
RECEIVING A REQUEST FOR BANDWIDTH ON THE **NETWORK** 13204
FROM A SECOND USER
ALLOWING A NEGOTIATION BETWEEN THE FIRST AND SECOND 13206
USERS...4004
No
HANGE
5
1400
14012
LIPIDATE BSTB(BWTH) AUTO=AUTO
BSTA(BWTH) r
1400&--.,,@
INTERACTIVE TERMINAL
COMMUNICATION 14014
1401
REPROCESS FILE FOR
ANY NEWLY
EXECUTABLE ORDERS

12/3,K/9 (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00518263 **Image available**
INFORMATION DISTRIBUTION SYSTEM
SYSTEME DE DISTRIBUTION D'INFORMATIONS
Patent Applicant/Assignee:
MICROTOME INC,
SAIGH Michael M,
Inventor(s):
SAIGH Michael M,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9949615 A1 19990930
Application: WO 98US22238 19981021 (PCT/WO US9822238)
Priority Application: US 9849321 19980327; US 98175559 19981020
Designated States: AL AM AT AT AU AZ BA BB BG BR BY CA CH CN CU CZ CZ DE DE DK DK EE EE ES FI FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
Publication Language: English
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Fulltext Availability:
Detailed Description
Claims

English Abstract
...sale delivery system and the central information bank and central transactional data base via communication **network** such as the telephone **network** , a satellite **network** , or any other **network** suitable for the transfer of information. The point-of-sale delivery systems may take one ...

Detailed Description
... a system for distributing information in electronic form and more particularly, relates to a communication **network** for transmittal infon-nation between a central information bank and a user interface.

BacUround of...

...updates.

In an attempt to improve the dissemination of some types of information, bulletin board **networks** have been established. **Networks** , such as Internet, also have been or are being established. Known **networks** generally utilize a telephone **network** or some other **network** as a communication media and can be accessed using commercially available software and almost any type of computer. As presently operated, however, such **networks** are unsuitable for the distribution of proprietary information and information which is intended for limited copying. The free transfer of information using such **networks** provides little or no protection for copyright and proprietary information owners.

Summga of the Invention...
...delivery system and the central information bank and central transactional data base via a communication **network** such as the telephone **network** , a satellite **network** , or any other **network** suitable for the transfer of information.

More specifically, information obtained from publishers is digitized, i

sale site. Upon request, the
transactional data base **transmits sales data** to a requesting
publisher.

The point-of-sale delivery systems may take one of many...

...automatically erased from the user's storage media. The book bank
subsystem is a sub- **network** established between authorized users, such
as
employees of a corporation. Each user within the sub- **network** with the
proper authorization, or approval, can access designated information
stored within the subnetwork. Such...

...Book Bank". The term Book Bank, as used herein, refers to the interface
between the **network** and the user. Although 1 5 the term Book Bank may
imply "booktype" material, such...
...images, text, audio, and computer software material.

The Book Bank is a self-service, user **interactive** information vending
device. Each Book Bank contains a high volume, local memory storage
having, a...

...site at which the Book Bank is located. Other information is
transferred, via commercial communication **networks** (i.e., telephone
networks , cable systems, satellite or cellular system or other similar
communication **networks**), to a Book
Bank for supplemental, secondary and less demanded purposes. A central
processing unit...data base to track the number of copies made and sold,
1 5 within the **network** , for each work.

The present invention also readily enables controlling reproduction of
inforination and greatly...

...dynamic encryption of text provides copyright and proprietary
information owners sufficient confidence in the present **network** to
allow such infon-nation to be transmitted on the **network** .

Brief Description of the Drawings
These and other objects and advantages of the present invention...

...provided.

A. Brief Overview
In accordance with one embodiment of the present invention,
information is **distributed** from a central information bank to a user's
personalized storage medium. Information to be so **distributed** by the
present system is received from outside sources either electronically,
over various communication **networks** (e.g., telephone lines, cable
systems, cellular systems or other similar commercial communication
networks) or from various storage mediums (e.g., magnetic or electronic
disks, cartridges, or tape reels...central information bank. The master
copy is duplicated electronically and dispatched electronically through a
communication **network** , such as a telephone or satellite **network** , to a
point-of-sale delivery system. Book Banks form a part of such a...

...frame model selected depends on the amount of information to be
centrally stored in the **network** , the extent of record keeping functions
to be performed, and the speed at which transfer...sale delivery system,
such as
systems 112A, 108A-B, IIOA, and 114A-B, may be **networked** directly to
peripheral information bank 102F, or the point-of-sale delivery system,
such as...

...I I OB-D, I 12B, I 1 2D and I 1413-C, may be **networked** to the point of
purchase site 108B, which is **networked** to the peripheral information
bank 102F.

Point-of-sale delivery system configurations are explained in...

...rental systems as shown by 10 8 C, I I OD and II 2D.

Communication **network** links between the central information bank I 00 central transactional data base 104, peripheral information...

...of sale sites can be made utilizing one or a combination of many commercials available **networks** such as telephone, satellite or cable **networks** or any other medium suitable for transmitting information in digitized format. Many well known protocols...

...connection with the present system. For example, if the Internet is used as the "backbone" **network** , the well-known TCP/IP protocol could be used.

Figure 2 illustrates the flow of...this and other information the publisher can determine whether to place additional information on the **network** . For ease of reference such information is sometimes referred to herein as "information titles'3...

...for being transmitted with less risk of unauthorized use while being transmitted through a cornmunications **network** . The compression is accomplished through the use of one of the commercially available compression protocols...to other cashier stations 308B-D.

Server 3 04 also is coupled to an institution **network** 3 1 0 which in turn connects to institution terminals 312A-E. Service terminal 306, cashier stations 304A-D and institution **network** 3 1 0 are connected to server 304 via a computer communication **link** such as a commercially available computer **networking** system such as CompuServe or Internet. Book Bank 302 and server 304 are connected to...

...with reference to Figs. I and 2. Cashier stations 308A-D are in serial, linear **networking** connections which allows the addition and removal of a number of cashier stations at any...

...provide the retail outlet with internal administration and the management functions, such as the book **inventory** cards **management** , the book list management, book requests, book reports, financial reports, and E-Mail and Bulletin...

...bases required for server 304 operation.

Server 304 has four (4) interfaces, i.e., a **network** interface 324, a maintenance interface 326, a customer service station interface 328 and a cashier...

...and processes orders from cashier stations 308A-D and customer service terminals 306A-D.

From **network** interface 324, server 304 conu-nunicates with central transaction data base 104 for electronic filing...

...reports and the inventory reports from Book Bank 302. Server 304 also is coupled, through **network** interface 324 to a Book Bank subsystem to receive subsystem reports in order to give instructions and orders whenever necessary, as hereinafter discussed. External **network** systems 1 5 such as institutional or corporate **network** systems with local **merchants** terminals, community bulletin board services and others can also be coupled to the **network** interface 324. The **network** interface 324 also allows two-way connecting with interbank **networks** such as

Cirrus, Plus or other similar data transfer **network** .

Coupling to **merchants** ' terminals, promotional system provides local **merchants** and the local business direct access to update their promotions and coupons.

Maintenance interface 326...as one unit, it is contemplated that CPU 350 could be a parallel processor or **distributed** processor arrangement.

Selection of CPU 350 type depends, of course, on the amount of information...

...364 assures continuous operation even during power down time.

CPU 350 is coupled to a **network** interface 368 to provide communication to central infon-nation bank I 00, host fileserver 304...new enrollee purchases a reader/computer or other acceptable reading device (such as a special **computerized** interface, or an audio or video playback device). Each such device is assigned a unique...the capability of limiting the number of copies of a given work that may be **distributed** to other authorized users. If all of the licensed copies of any information titles have...

...A printer 440 is provided to print various reports.

Book Bank subsystem 422 has a **network** interface 442 that connects subsystem 422 to Book Bank 302 and host fileserver 304. **Network** interface 442 also may couple to the corporate or business entity **network** system 444. With such a structure, the corporate entity may transmit or download its own...access by an adequate number of media drivers to the desired corporate terminals for corporate **network** stations.

Media driver 430 is connected to the terminals or stations by a proprietor driver...

...encrypts and dispatches the corporate documents and the corporate confidential proprietary information in the corporate **network** system. As part of the **network** interface connection **linking** each participating work station to the subsystem and allowing access to encrypted information, a separate...

...orders through E-Mail from a personal reader/computer or by ordering directly from an **interactive** promotional Book Bank. The promotional Book Bank has the same structure as Book Bank 302...

...Figure I 1. As in the other point-of-sale systems, Book Bank 302 is **networked** to host fileserver 304. The promotional system further includes a number of promotional units 448A...

...special offer updates from the local businesses, national or regional advertisers, and corporate sponsors through **merchants** tenninals (MT) 450E-G. The host fileserver 304 is also **networked** to a central transaction data base which, in turn, provides a report to the publishers, advertisers, accounting, auditing firms, merchandise **vendors** , and others.
The promotional Book Bank allows selective downloading of promotional and commercial information to...respect to point of rental delivery systems. The promotional Book Bank also provides a user **interactive** self-service vending feature. The user may order products or information electronically via the **network** . Some of the promotional functions are.

coupons on demand, **virtual** shopping, catalog sales, demos. subscription orders, electronic applications of credit cards, calling cards, or other types of services.

Some public domain information **distributed** such as community events, ticket sales, institutional events or even public bulletins could also be **distributed** with the promotional infon-nation as a free or low cost service to the community...12 illustrates a three level encryption process. For example, prior to transmitting information on the **network** , the data may be encrypted. This facilitates preventing unauthorized users from accessing the transmitted information on the **network** . In addition to the pre-transport encryption, the data, may be encrypted prior to being...40 43 44 1
symbol 7 8 9 + - x
code 2 3 4 5 6 **7** 10 **11** 172
Because the fact that the encrypting tables are constantly shifting, under this simple method...described system facilitates controlled and monitored exchange of information between many types of information owners, **distributors** , and users. By using the described system, a user may obtain many types of authorized...

Claim
... levels of encryption code.

17 A method for operating a processor communicatively coupled to a **network** to obtain text of a book, the **network** being coupled to a memory storage having stored therein text of a plurality of books... Apparatus in accordance with Claim 27 wherein said apparatus is communicatively coupled to a communications **network** .

29 Apparatus in accordance with Claim 27 wherein said processor is further operative with the...

12/3,K/10 (Item 7 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00156314
SIGNAL PROCESSING APPARATUS AND METHODS
DISPOSITIF ET PROCEDES DE TRAITEMENT DE SIGNAUX
Patent Applicant/Assignee:
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Inventor(s):
HARVEY John C,
CUDDIHY James W,
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Publication Language: English
Fulltext Word Count: 161690

Fulltext Availability:
Claims

Claim
... stations, various so-called "cueing" systems in the prior art 20 operate in conjunction with **network** broadcast transmissions to automate the so@called "cut-in" at local television and radio stations...recording of television transmissions on the basis of instructions input manually by viewers. So called " **interactive** video" systems have capacity for locating prerecorded television programming on a given disc and

transmitting...

...station.
As regards decoders and decryptors, many different systems exist, at present, that enable programming **suppliers** to restrict the use of transmitted programming to only duly authorized subscribers. The prior art...Examples of signal units are a unique code identifying a programming unit, or a unique **purchase** order number identifying the 30 proper use of a programming unit, or a general instruction...program originating studio.") From said program originating studio said program is transmitted by conventional television **network** feed transmission means, well known in the art, to a large number of geographically 35...
...that retransmit said program to millions of subscriber stations where subscribers view said program. Said **network** transmission means may include-so-called landlines, microwave transmissions, a satellite transponder, or other means...stations. Said stations include so-called "local affiliate" broadcast stations that receive and retransmit single **network** transmissions; so@called "cable system headends" that receive and retransmit multiple **network** and local broadcast station transmissions; and so-called "media 30 centers" in homes, offices, theaters...meter@monitor segment information and maintain meter'records of said information;
origins of transmissions (eg., **network** source stations, broadcast stations, cable head end stations);
dates and times;
unique identifier codes for...

...to make payments (eg., royalties and residuals); and
unique codes that identify the sources and **suppliers** of computer data.
The categories listed here provide only examples, Other types of information can...

...30 any given category such as origins of transmissions, each distinct item such as each **network** source, broadcast, or cable head end station has a unique binary information code. In the...four-byte data words, and some high precision microprocessors such as the 8087 mathematics coprocessor **distributed** by the Intel Corporation of Santa Clara, California, U.S.A. process information internally in...said program,
. the day of said transmission within a particular one hundred year period,
. the **supplier** of the program instruction set in the information segment following said first combining synch command...preprogrammed with decryption key information of J but not of Z. Such statistics enable .programming **suppliers** to evaluate their strategies for marketing and pricing programming.
In example #4, before the first...record that is based on the information, in a second meter@monitor field, of the **supplier** of the program instruction set that follows said first command4 The capac ity for a...

...owner of said "Wall Street Week" program (who owns the Fig. 1B image) and said **supplier** (whose information generates the 15 Fig* IA image) may be different parties. Said second record...record locations at buffer/comparator, 14, particular record format 5 information, then information of the **supplier** of said program

instruction set from a particular meter@monitor field of lst
I
meter...

14/TI,PY/1 (Item 1 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT FOR A SUPPLY CHAIN MANAGEMENT
SYSTEME, PROCEDE ET PRODUIT PROGRAMME INFORMATIQUE CONCUS POUR UNE GESTION DE CHAINE D'APPROVISIONNEMENT
Publication Year: 2002

14/TI,PY/2 (Item 2 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

NETWORK BASED BUSINESS TO BUSINESS PORTAL FOR THE RETAIL CONVENIENCE MARKETPLACE
PORTAIL DE RESEAU ENTRE ENTITES COMMERCIALES ADAPTE AU MARCHE DU COMMERCE DE DETAIL EN MAGASIN DU TYPE BAZARETTE
Publication Year: 2002

14/TI,PY/3 (Item 3 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

SYSTEM AND METHOD FOR AN INDEPENDENT RETAILER BUSINESS-TO-BUSINESS MARKET EXCHANGE
SYSTEME ET PROCEDE D'ECHANGES COMMERCIAUX INTER-ENTREPRISES POUR DETAILLANTS INDEPENDANTS
Publication Year: 2001

14/TI,PY/4 (Item 4 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

SYSTEM AND METHOD FOR EXTENDED ENTERPRISE PLANNING ACROSS A SUPPLY CHAIN
SYSTEME ET METHODE DE PLANIFICATION D'ENTREPRISE COUVRANT UNE CHAINE DE D'APPROVISIONNEMENT
Publication Year: 1998

14/3,K/3 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00845274
SYSTEM AND METHOD FOR AN INDEPENDENT RETAILER BUSINESS-TO-BUSINESS MARKET EXCHANGE
SYSTEME ET PROCEDE D'ECHANGES COMMERCIAUX INTER-ENTREPRISES POUR DETAILLANTS INDEPENDANTS

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(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
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Fulltext Word Count: 7314

Main International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description
Claims

Detailed Description
... as a full-service marketplace for all convenience store and small business retailers and their **suppliers** . The "independent retail sector" as used in this specification and
appended claims means retailers that are: (a) franchised and/or independently owned and/or independently operated (collectively "IRs"), and
(b) **suppliers** of good and/or services to [Rs and such **suppliers** 'company
owned and/or operated stores (collectively "IR Sector"). Examples of IRs include, but are...

...invention (optionally implemented initially by a company named, e.g., "RetailersMarketXchange.com"). Optionally, retailers and **suppliers** who commit capital and participation will also be equity participants in the joint I 0...

...the I R Sector.

The new marketplace intends to be the catalyst for revolutionizing the **supply**
chain to the highly fragmented **convenience store** ("C- **store** ") and

other
segments of the small business sector and I R Sector. For **suppliers** , the
5 marketplace has the potential to dramatically reduce costs in this $200 billiona-year...

...and the efficiency of delivering products and services. For [Rs, it creates access to
the **suppliers** , programs and scale of a networked economy to dramatically
improve their operations.

In one preferred...

...run their business. The portal will include.

A marketplace providing an unparalleled commerce community
between **supplier** companies, retailer chains and individual retailers.

@6
The infrastructure for deployment of retail and product...

...use of
RetailersMarketXchange.com and integrate the retailer's onsite operations with those of the **suppliers** .
A dynamic, interactive online community network where retailers and **suppliers** can collaborate and share information.

RetailersMarketXchange.com is optionally based on a conventional eCommerce catalog...

...leveraged off utilizing technology and systems existing in the IR Sector as presently practiced by **distributors** in the IR Sector, e.g., the McLane Company.

The Internet-based system will significantly...

...retailers. The marketplace of the invention will greatly enhance supply chain
efficiencies between retailers and **suppliers** and with all of their manufacturers, **distributors** and retailing partners. Existing electronic point of
sale technology may optionally be employed for inventory...

...hook up with a diversity of groups they may find of interest.

Benefits for the **Suppliers** include: New Customers via increased marketing reach and productivity; Increased Sales via targeted sales and ...

...That is, the parent enters into special favorable shortterm purchasing agreements with a manufacturer or **distributor** to purchase its 1 0 products through the IR's. The IR's learn about...

...they sign up for and place an order for the desired quantities directly from the **distributor** or ...deployment
sub-system. Brands using this component may be a retail chain, a franchiser, a **distributor** or manufacturer. Shipment tracking and payment processing are optional features of the Brand Deployment sub...

...Independent Trade Exchange aspect of the invention will provide the open marketplace where buyers and **suppliers** come to transact commodity and auction based items. Optionally, leveraged or aggregated buying power is...

...method of the invention, i.e., [Rs group

purchases together to obtain volume discounts from **suppliers** . The goods and services of all **distributors** , manufacturers, and all other goods and service
providers on the RetailersMarketXchange will be placed in...

...access rights limits for each user. During the log-in process, the IR's preferred **suppliers** will be identified and optionally a dynamically created report will be displayed showing those preferred **suppliers** and any special pricing agreements between the IR and **supplier** . Optionally, all or some alternative transaction types are supported, e.g., auction, reverseauction, request-for...

...the button to launch an email window for sending inquiries to Customer Service.

For the **suppliers** , Customer Service optionally includes a targeted advertising campaign service for **suppliers** ' goods, services and/or promotions.

The Communities aspect of the invention will provide the fun...

...environment. Independent Trade Exchange module 1 1 0 includes the open marketplace where buyers and **suppliers** come to transact commodity and auction based items. The leveraged buying power of the RTE...by reference in its entirety. This is because typically only authorized retail store and their **suppliers** should have access to the system.

The public will not have such access typically.

FIG...

...This is because typically only authorized stores in the retail store's chain and their **suppliers** should have access to the system. The public will not have such access typically.

FIG...

...69, and 83-85, which are each incorporated herein by reference in their entireties. The **supplier** receives the order and fulfills the order in block
Embodiments include where the order message is transmitted directly from the retail store to the **supplier** or, alternatively, where the order is transmitted to the headquarters, who then passes it on directly to the **supplier** or optionally first combines it with like orders- from other retail stores prior to passing it on to the **supplier** .

Conventional secure transaction systems are optionally utilized as taught, e.g., in U.S. Patent...the button to launch an email window for sending inquiries to Customer Service. For the
suppliers , Customer Service optionally includes a targeted advertising campaign service for **suppliers** ' goods, services and/or promotions. The Customer Services subsystem, and optionally one or more of...

...with other members of the community, i.e., headquarters, retail chain stores and optionally their **suppliers** , **distributors** , and **suppliers** . The Communities
subsystem will include topic-specific newsgroups, member-clubs, bulletin boards, and other on...

...consumer research and feedback to a particular IR chain's headquarters and/or the manufacturers/ **distributors** .

FIG. 10 is a block system diagram showing one preferred embodiment of specific applications/implementations...the marketing step. The tenantleasing step/means includes identifying potential tenants, e.g., petroleum

industry **vendors** or customers, and contacting them to lease space on the
web site, i.e., to...

Claim
... of IR's, said method comprising:
(a) entering into volume discount promotion agreements between merchandise **suppliers** and each headquarters for a chain of IR's;
(b) communicating said volume discounts agreements...

...communicating over said network said selected purchases of said IR's to the corresponding merchandise **supplier** or its respective headquarters, for fulfillment of said purchase.

13 The method of claim 12 a server system of a **supplier** of the item;
(c) under control of said server system of a **supplier** :
(1) receiving the request;
(2) generating an order to purchase the requested item; and
(3...

...s selection of specific brand promotions, and for communicating over said network to a corresponding **supplier** the selected brand promotions and the identity of the selecting store; and
(c) wherein said...

...of brand promotions on a recurring or irregular basis, that selection is communicated to a **supplier** which fulfills said brand promotion.

16 The system of claim 15, further comprising means for...

...of IR's, said system comprising:
1 0 (a) volume discount promotion agreements between merchandise **suppliers** and each headquarters for ...communicating over said network said selected purchases of said IR's to the corresponding merchandise **supplier** , for fulfillment of said purchase.

28 The system of claim 27, wherein said network comprises...

...items and sending a request to order said items to a server system of a **supplier** of the item;
(c) a server system of a plurality of **suppliers** configured:
(1) for receiving the request;
1 5 (2) for generating an order to purchase...

File 256:SoftBase:Reviews,Companies&Prods. 82-2003/Jun
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Set	Items	Description
S1	2730	(SUPPLY? OR SUPPLIES OR INVENTORY OR INVENTORIES OR STOCK - OR STOCKING)(3N)(CHAIN? ? OR MANAG? OR FULFILLMENT OR LOGISTI-C?)
S2	50166	VIRTUAL? OR CYBER OR COMPUTERI? OR DISTRIBUTED OR NETWORK? OR LINK? OR INTERACTIV?
S3	175	(K OR WAL OR QUICK)(1W)MART? ? OR (CONVENIENCE OR C OR DIS-COUNT OR DOLLAR OR NEIGHBORHOOD)(2W)(STORE OR STORES OR SHOP? ? OR OUTLET? OR MART? ? OR RETAILER?) OR DISCOUNTER? OR 7(1W)-(11 OR ELEVEN) OR CIRCLE(1W)K
S4	31652	VENDOR? OR MERCHANT? ? OR SUPPLIER? OR DEALER? ? OR DISTRI-BUTOR? OR WHOLESALER?
S5	42554	SHARE? OR SHARING OR CIRCULAT? OR TRANSMIT? OR TRANSMISS? - OR DISSEMINAT? OR NOTIFI? OR NOTIFY? OR APPRIS? OR TELL OR TO-LD OR IMPART? OR INFORM?? OR INFORMING OR COMMUNICAT? OR INTE-RFAC? OR UPLOAD? OR UP()LOAD?
S6	221	(POS OR EPOS OR SALE? ? OR SELLING OR SOLD OR BUYING OR PU-RCHAS?)()(DATA OR INFORMATION OR PARTICULARS OR DETAILS)
S7	31	S1 AND S3
S8	15	S7 NOT PY>2001
S9	350	S1 AND S2 AND S4 AND S5
S10	56	(S1 AND S2)(S)(S4(5N)S5)
S11	49	S10 NOT PY>2001

EKD July 29, 2003

8/3,K/1
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

02716677 DOCUMENT TYPE: Company

Planalytics Inc (716677)
1325 Morris Dr #201
Wayne, PA 19087 United States
TOLL FREE TELEPHONE NUMBER: (800) 882-5881
FAX: (610) 640-0147
HOMEPAGE: http://www.planalytics.com

RECORD TYPE: Directory

CONTACT: Sales Department

ORGANIZATION TYPE: Corporation
STATUS: Active

SALES: NA

REVISION DATE: 20020510

...energy industries. The Planalytics (R) Retail & Manufacturing product helps retail and manufacturing businesses improve their **supply chain management** (SCM) methods. The Planalytics Life Sciences product supports planning and preparation for the life sciences industry demand and **supply chains** . The company also provides its WeatherMarkets.com to the financial and commodity information services industry...

...data products for trading, analysis, and planning. Planalytics customers include John Deere, Lowe's, Duraflame, **7 - Eleven** , **Wal - Mart** , Conoco, Rohm And Haas, and Southern Union.

8/3,K/2
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

02713309 DOCUMENT TYPE: Company

Commerce Technologies Inc (713309)
21 Corporate Dr
Clifton Park, NY 12065 United States
TELEPHONE: (518) 886-0700
FAX: (518) 886-0701
HOMEPAGE: http://www.commercehub.com

RECORD TYPE: Directory

CONTACT: Sales Department

ORGANIZATION TYPE: Corporation
STATUS: Active

SALES: NA

DATE FOUNDED: 1997
PERSONNEL: Poore, Frank, Chief Executive Officer; Poore, Frank, President; Nelsen, Michael, VP Operations; Jones, Richard, VP; Johnson, Ervin D, VP Finance; Hackworth, Scott, VP Business Development
REVISION DATE: 20020424

...Poore in 1997. Originally, the company was a consulting firm that helped merchandisers such as **Wal - Mart** , Best Buy, and Toys'R Us electronically

connect with their suppliers. Commerce Technologies develops the...

DESCRIPTORS: E-Commerce; Order **Fulfillment** ; **Supply Chain Management**

8/3,K/3
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

02668761 DOCUMENT TYPE: Company

Syncra Systems Inc (668761)
716 Main St
Waltham, MA 02451 United States
TELEPHONE: (781) 693-1200
TOLL FREE TELEPHONE NUMBER: (800) 808-8894
FAX: (781) 693-1175
HOMEPAGE: http://www.syncra.com
EMAIL: info@syncra.com

RECORD TYPE: Directory

CONTACT: Sales Department

ORGANIZATION TYPE: Corporation
EQUITY TYPE: Private
STATUS: Active

SALES: NA
DATE FOUNDED: 1998
PERSONNEL: Stamen, Jeff, Chief Executive Officer; Sellers, Christopher K, President; Johnson, Matt, Chief Technology Officer; Arens, Wes, VP Business Development; Kamadolli, Monali, VP Product Development; Cassettari, Mike, VP Marketing; Impellizeri, Joseph, VP Finance
REVISION DATE: 20011230

...that help trading partners collaborate. The company grew out of a collaboration program between retailer **Wal * Mart** and Warner Lambert. Members of the team working on that program recognized the need for...

DESCRIPTORS: Distribution **Management** ; E-Commerce; **Supply Chain Management**

8/3,K/4
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

02118800 DOCUMENT TYPE: Company

Manugistics Inc (118800)
9715 Key West Ave
Rockville, MD 20850 United States
TELEPHONE: (301) 984-5000
TOLL FREE TELEPHONE NUMBER: (877) 331-0728
FAX: (301) 984-5370
HOMEPAGE: http://www.manugistics.com

RECORD TYPE: Directory

CONTACT: Sales Department

ORGANIZATION TYPE: Corporation
EQUITY TYPE: Public
STATUS: Active

SALES: NA

PERSONNEL: Owens, Gregory J, Chief Executive Officer; McKinney, Jeff, President; Owens, Gregory J, Chairperson; Austin, Terrence A, VP; Rajaji, Raghavan, Chief Financial Officer; Jeter, James J, VP Marketing ; McFarland, Robert, VP Sales; Plante, Everett, VP Engineering; Smith, Tim, VP
REVISION DATE: 20021117

Manugistics Group Incorporated is a leading provider of decision support and **supply chain management** solutions for businesses. It is a publicly traded firm(NASDAQ: MANU). Manugistics' customers include Coca-Cola, General Electric, **Wal - Mart** , Compaq, and Mobil. Manugistics' newest offerings comprise Enterprise Profit Optimization (TM) (EPO), a line of **supply** and demand **management** solutions.

DESCRIPTORS: Manufacturing; Statistics; **Supply Chain Management**

8/3,K/5
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00135245 DOCUMENT TYPE: Review

PRODUCT NAMES: AutoID (834211)

TITLE: Bar Codes In A Chip: Technology could transform product tracking
AUTHOR: Semilof, Margie
SOURCE: InternetWeek, v886 p1(2) Nov 19, 2001
ISSN: 0746-8121
HOMEPAGE: http://www.internetwk.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20020530

...The test, with a pallet of paper towels, tracked the pallet's progress to a **Wal - Mart** Sam's Club in another state. Consumer goods companies are optimistic that RF ID tags will reduce **supply chain management** (SCM) costs by billions of dollars. Because the process is fully automated, more accuracy, lower costs, and better productivity should be the result, says a **supply chain** futurist. A related project conducted by Steven Van Fleet, program director of smart packaging for...

8/3,K/6
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00132226 DOCUMENT TYPE: Review

PRODUCT NAMES: i2 TradeMatrix Plan (056502); e-Chain (778273); Windchill (707775)

TITLE: Start Small, Think Big
AUTHOR: Paul, Lauren Gibbons
SOURCE: Darwin Magazine, v1 n9 p109(6) Jun 2001
ISSN: 0894-9301
HOMEPAGE: http://www.darwinmag.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20010930

...s Windchill are highlighted in a discussion of tools and methods that can help streamline **supply chains** and make them more efficient. For instance, Ford Motor was able to promise consumers replacement...
...computerized system for doing business with its tire suppliers.' Many retailers also have highly efficient **supply chain** optimization, including **Wal - Mart** , as does Sony Electronics. TradeMatrix, e-Chain, and Windchilll allow companies to maximize the efficiency...

...new products wanted by customers, when they want them. An expert advises companies to begin **supply chain** optimization inside the enterprise by ordering supplies automatically online. Other first steps include purchasing of...

...planning, forecasting, and replenishment; and participate in collaborative product design. The largest and most substantial **supply chain** optimization efforts will also extend outside the enterprise. The **supply chain** optimization efforts of Town Shoes, Sears Roebuck and Company, and Sony Electronics are described.

DESCRIPTORS: Business Planning; Business Reengineering; Manufacturing; **Supply Chain Management**

8/3,K/7
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00130562 DOCUMENT TYPE: Review

PRODUCT NAMES: Marketing Information (831247)

TITLE: When To Share: Wal - Mart and other companies reassess their...
AUTHOR: Heun, Christopher T
SOURCE: Information Week, v838 p22(3) May 21, 2001
ISSN: 8750-6874
HOMEPAGE: http://www.informationweek.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20010730

TITLE: When To Share: Wal - Mart and other companies reassess their...
...

...shown that half of the respondents share order-management, collaborative-planning, and marketing data with **supply chain** partners, but only 20 percent feel comfortable sharing weekly sales data. However, now **Wal - Mart** and other companies are beginning to reassess their data-sharing policies. For several years, **Wal - Mart** has given data to six market-research firms that combine that information with sales data from numerous other retailers to generate industry wide profiles. However, **Wal - Mart** , which operates one of the largest data warehouses in the world, now thinks that its...

DESCRIPTORS: Collaborative Commerce; Content Providers; File Security; Marketing Information; Retailers; **Supply Chain Management**

8/3,K/8
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00129633 DOCUMENT TYPE: Review

PRODUCT NAMES: Metaprise Workbench (042927)

TITLE: Atlas Shoulders The Private Exchange Load
AUTHOR: Turek, Norbert Gilbert, Alorie
SOURCE: Information Week, v803 p104(3) Mar 26, 2001
ISSN: 8750-6874
HOMEPAGE: http://www.informationweek.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20020722

Atlas Commerce has attracted such firms as Hewlett-Packard, **Wal - Mart** , and TradeMC with its front-end Metaprise Workbench, a product that makes it easy to automate existing relationships in complex **supply chains** . Using Metprise, the channel master, or the company that is running the exchange, manages access...
...their roles as sellers or buyers of products that are used to create finished goods. **Wal - Mart** developed its own automated **supply chain** , Retail Link, a number of years ago, but the retailer knew its **supply chain** visibility and functionality could be improved and more quickly enabled with packaged software. Hewlett-Packard...

DESCRIPTORS: B2B Marketplaces; E-Commerce; **Supply Chain Management**

8/3,K/9
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00129080 DOCUMENT TYPE: Review

PRODUCT NAMES: New Economy (841951)

TITLE: The Internet Revolution Rages On
AUTHOR: Shirky, Clay
SOURCE: Business 2.0, v6 n6 p62(1) Mar 20, 2001
ISSN: 1080-2681
HOMEPAGE: http://www.business2.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20011130

...will continue to do so, and the 'dot-com crash' should not convince people otherwise. **Wal - Mart** , Barnes & Noble, and GE are all now clicks-and-bricks companies, but were mostly bricks...

...it has affected retail sales. However, the Internet can be expected to transform 'the entire **supply chain** up to the point of sale.' Currently, users have the most valued features of the...

8/3,K/10
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00128820 DOCUMENT TYPE: Review

PRODUCT NAMES: RetailersMarketXchange (RMX) (039225)

TITLE: For Retailers, Exchanges Now Business as Usual
AUTHOR: Terry, Lisa
SOURCE: ID Systems, v21 n1 p10(2) Jan 2001
ISSN: 0892-676X
HOMEPAGE: http://www.idsystems.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20020530

...become the meeting place for everyone in the industry, including 120,000 retail sites, three **supply chains** , brand manufacturers, and numerous distributors. The RMX portal will offer tools that will help gas and **convenience stores manage** their **supply chain** relationships as well as their businesses. The portal will help with brand management, offer buying...

DESCRIPTORS: B2B Marketplaces; E-Commerce; Gas Stations; Retailers; **Supply Chain Management**

8/3,K/11
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00126947 DOCUMENT TYPE: Review

PRODUCT NAMES: Retailers (830308); Supply Chain Management **(833444**

TITLE: Retail's Super Supply Chains : Wal - Mart **inks deal to roll out...**
AUTHOR: Gilbert, Alorie
SOURCE: Information Week, v808 p22(3) Oct 16, 2000
ISSN: 8750-6874
HOMEPAGE: http://www.informationweek.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20010330

...PRODUCT NAMES: 830308); Supply Chain Management (

TITLE: Retail's Super Supply Chains : Wal - Mart **inks deal to roll out.....**

Wal - Mart Stores is building an online private trading hub, and Kmart is conducting a large IT...

...s ability to work with suppliers, make sure store inventories are adequate, and reduce costs. **Wal - Mart** 's hub should allow **Wal - Mart** to consolidate purchasing worldwide and allow suppliers to operate online and compete for contracts. **Wal - Mart** will integrate the hub with an existing **supply chain** infrastructure known as SupplierLink. SupplierLink is composed of electronic data interchange (EDI) networks and an...

...infused with data from a database over 100TB in size. Kmart has less revenue than **Wal - Mart** and its operational and technology infrastructure is outdated, which results in poor **inventory management** and slippage in customer service, according to Kmart spokespeople. Kmart lost $448 million in the...

...a $2 billion redesign of its operations infrastructure. i2 Technologies will help Kmart rebuild its **inventory management** and **supply chain management** (SCM) systems in a project lasting two years that is one of the most far...

DESCRIPTORS: E-Commerce; E-Purchasing; EDI (Electronic Data Interchange); Extranets; Retailers; **Supply Chain Management**

8/3,K/12
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00123683 DOCUMENT TYPE: Review

PRODUCT NAMES: E-Commerce (836109); ASP (Application Service Providers) (841242)

TITLE: E-business power politics: Brick-and-mortars look to freeze out...
AUTHOR: Schwartz, Ephraim
SOURCE: InfoWorld, v22 n20 p1(2) May 15, 2000
ISSN: 0199-6649
HOMEPAGE: http://www.infoworld.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20020227

Large brick-and-mortar companies are creating their own online exchanges for their industry's **supply chain** in an effort to maintain control of the chain. Companies in the technology, automotive, and **convenience store** sections of the economy are becoming application service providers (ASPs) instead of turning the control...

DESCRIPTORS: ASP (Application Service Providers); B2B Marketplaces; E-Commerce; Retailers; **Supply Chain Management**

8/3,K/13
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00118322 DOCUMENT TYPE: Review

PRODUCT NAMES: Freight Handling (830324); E-Commerce (836109)

TITLE: Shipping Firms Exploit IT To Deliver E-Commerce Goods
AUTHOR: King, Julia
SOURCE: Computerworld, v33 n31 p24(1) Aug 2, 1999
ISSN: 0010-4841
HOMEPAGE: http://www.computerworld.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20020819

...discussion of large shipping and overnight delivery companies' deployment of e-commerce systems looks at **supply chain** creation with Web retailers. For instance, a user can order a pound of coffee online...

...says that 70 percent of its fulfillment orders come from Internet

companies, including newcomers like **Wal - mart** Stores and eToys' Web sites. By 2003, about 183 million people will have shopped via...

...other larger outsourcers are all making large IT investments, especially the areas of real-time **inventory** tracking and return **management** . Much of FedEx's IT budget will be spent developing tools and interfaces that directly...

8/3,K/14
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00102759 DOCUMENT TYPE: Review

PRODUCT NAMES: FYI Planner (593133); Resource Chain Voyager (652083); WebPLAN (632996); Supply Chain **Collaborator (669695**

TITLE: Line Dancing, Supply Style
AUTHOR: Moad, Jeff
SOURCE: PC Week, v14 n31 p79(3) Jul 21, 1997
ISSN: 0740-1604

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20010130

...PRODUCT NAMES: 632996); Supply Chain **Collaborator...**

...Systems' FYI Planner, Logility's Resource Chain Voyager, Enterprise Planning Systems' WebPLAN, and PeopleSoft's **Supply Chain** Collaborator are products highlighted in a discussion of the trend toward collaborative planning among partners in the use of technology. Some of the largest U.S. retailers, including Kmart and **Wal - Mart** , are embracing advanced supply and demand planning applications enabled with Internet and workflow functions that...

...are also testing the premise that sharing of forecasts with customers and suppliers will make **supply chains** more efficient and improve customer satisfaction. Collaborative planning is difficult, however, and requires significant integration...

...forecasts, and manufacturing and finance coming up with their own. Companies planning collaboration in the **supply chain** have to assess company values, roles, skills, organization structure, compensation, and performance measures.

8/3,K/15
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00083565 DOCUMENT TYPE: Review

PRODUCT NAMES: Retailers (830308)

TITLE: The Right Tool for the Job?
AUTHOR: McWilliams, Brian
SOURCE: Computerworld, v29 n44 p77(2) Oct 30, 1995
ISSN: 0010-4841
HOMEPAGE: http://www.computerworld.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

REVISION DATE: 20020819

Large home improvement center retailers like Home Depot, **Wal - Mart** Stores, and BJ's Wholesale Club agree that their service-based businesses rely heavily on...

...they are not lock-stepping toward the goal. Home Depot avoids kiosks in favor of **inventory management** and labor scheduling systems, while Builders Square recently installed PC-based kiosks in all stores...

EKD July 29, 2003

11/3,K/1
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

02314714 DOCUMENT TYPE: Company

Renaissance Software Inc (314714)
1983 Marcus Ave #125
Lake Success, NY 11042 United States
TELEPHONE: (516) 466-5190
TOLL FREE TELEPHONE NUMBER: (800) 281-2639
FAX: (516) 466-3341
HOMEPAGE: http://www.rensoftinc.com
EMAIL: marketing@rensoftinc.com

RECORD TYPE: Directory

CONTACT: Sales Department

ORGANIZATION TYPE: Corporation
EQUITY TYPE: Private
STATUS: Active

NUMBER OF EMPLOYEES: 125
SALES: NA
DATE FOUNDED: 1979
PERSONNEL: Schilt, Robert P, President; Schilt, Louis J, Chief Operating Officer; Christensen, Steve, VP Sales; Wickham, Paige, Marketing Director
REVISION DATE: 20000430

...Web-based, e-business Internet application systems (Java user interface and server designed) that address **supply chain** , warehouse **management** , and order management requirements. Renaissance's next generation product suite, e- **Supply Chain Management** (e-SCM), and its components (e-WMS, e-Order, and e-Distribution), provide information **sharing** amongst employees, customers, and **vendors** , and visibility into the entire distribution **network** . e-SCM offers robust functionality and unique features that allow proactive problem solving with real...

11/3,K/2
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

01787337 DOCUMENT TYPE: Product

PRODUCT NAME: e-Supply Chain Management (787337)

Renaissance Software Inc (314714)
1983 Marcus Ave #125
Lake Success, NY 11042 United States
TELEPHONE: (516) 466-5190

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 20000530

Renaissance Software's e- **Supply Chain Management** provides companies with e-business applications that address **supply chain** and warehouse **management** requirements. The Java-based suite facilitates **sharing** information among employees, customers, and **vendors** . It also provides users with better information about their distribution **networks** . e-**Supply Chain Management** includes the e-WMS, e-Order, and

e-Distribution components. The suite offers features such...

11/3,K/3
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01369373 DOCUMENT TYPE: Product

PRODUCT NAME: ASG-IMPACT (369373)

Allen Systems Group Inc (ASG) (019852)
1333 3rd Ave S
Naples, FL 34102 United States
TELEPHONE: (239) 435-2200

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 20030313

...center/service desk manager that assists information service organizations with help desk, problem, change, and **inventory** and configuration **management** . It allows sites to monitor and handle hardware and software problems, changes, and inventory with...

...problems automatically if necessary. The software retrieves the necessary information for contacting hardware and software **vendors** and keeps users **informed** on the progress of reported problems and requested changes. IMPACT also alerts the necessary personnel...

11/3,K/4
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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01153494 DOCUMENT TYPE: Product

PRODUCT NAME: madcap V (153494)

Contec Group International Ltd (629171)
330 Port Hills Rd Hillsborough, PO Box 8035
Christchurch 8004, New Zealand
TELEPHONE: ( ) 643-3380191

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 20030421

...users to process payment deduction, third-party account, loan and other data. It also lets **suppliers** , employees, and other users **share** information through **interactive** voice response (IVR) and Web interfaces. The system can be configured to reflect local regulatory...

11/3,K/5
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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01112658 DOCUMENT TYPE: Product

PRODUCT NAME: Ariba Enterprise Sourcing (112658)

Ariba Inc (635961)
807 11th Ave
Sunnyvale, CA 94089 United States
TELEPHONE: (650) 390-1000

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 20030222

...the system, buyers can manage their private supplier base, as well as the Ariba Supplier **Network** 's 39,000 suppliers. Ariba Enterprise Sourcing also provides users with private messaging and bulletin board features. The product generates real-time reports. Single screen **interfaces** allow **suppliers** to complete bid entries quickly. Ariba Enterprise Sourcing integrates with Ariba Contracts and Ariba Buyer.

11/3,K/6
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

01094366 DOCUMENT TYPE: Product

PRODUCT NAME: QuoteWin (094366)

PolyDyne Software Inc (721468)
9390 Research Blvd #415
Austin, TX 78759-6540 United States
TELEPHONE: (512) 343-9100

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 020822

PolyDyne Software's QuoteWin (R) is a **supply chain management** (SCM) system geared to contract electronic manufacturers (CEMs). QuoteWin streamlines quoting processes, allowing users to...

...times. It also eliminates redundant processing, providing users with access to historical information. QuoteWin drives **supplier network communications** , which speeds bidding times. The system includes cost, lead time, and AVL analysis features. It...

11/3,K/7
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

01071269 DOCUMENT TYPE: Product

PRODUCT NAME: ProTeus Lite 8.1 (071269)

Eagle Technology Inc (442453)
10500 N Port Washington Rd
Mequon, WI 53092 United States
TELEPHONE: (262) 241-3845

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 20020228

Eagle Technology's ProTeus Lite 8.1 is a **computerized** maintenance management system (CMMS) that allows industrial plants, hospitals, schools, and other facilities to manage...

...and personnel, and create purchase orders. Additionally, ProTeus Lite 8.1 can be used to **communicate** with equipment **vendors** and to produce maintenance productivity reports. It is offered in U.S. English and Spanish ...

11/3,K/8
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

01071251 DOCUMENT TYPE: Product

PRODUCT NAME: ProTeus II Enterprise 8.1 (071251)

Eagle Technology Inc (442453)
10500 N Port Washington Rd
Mequon, WI 53092 United States
TELEPHONE: (262) 241-3845

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 20020228

Eagle Technology's ProTeus II Enterprise 8.1 is a **computerized** maintenance management system (CMMS) that allows manufacturing plants and facilities to improve maintenance operations, while...

...maintenance (PM) programs; collecting and storing repair data; creating work orders; tracking spare parts inventories; **communicating** with equipment **vendors** ; and creating productivity reports. ProTeus II Enterprise 8.1 supports large, multisite plants and facilities....

11/3,K/9
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00135474 DOCUMENT TYPE: Review

PRODUCT NAMES: Microsoft .NET (006441); Private Trading Exchanges (847992)

TITLE: Glass Pipeline Fuels Today's Factories
AUTHOR: Navas, Deb
SOURCE: Supply Chain Systems Magazine, v21 n10 p36(8) Oct 2001
ISSN: 0892-676X
HOMEPAGE: http://www.scs.mag.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20020422

...private trading exchange (PTX) technology. PTXes are Web-based application platforms that allow manufacturers to **communicate** and collaborate with **suppliers** and customers. The systems offer visibility into the **supply chain** . They also support customized manufacturing while speeding productivity. However, many companies cannot afford to build...

...employed across multiple platforms. The system will drive collaboration and the sharing of data among **supply chain** partners. SAPMarkets, Glovia International, and other application service providers (ASPs) are providing an inexpensive way...

...hub, using the XML and RosettaNet standards, offers online business-to-business (B2B) applications that **link** with multiple back-end systems. Customers can tap a wide range modular services, creating customized...

11/3,K/10
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00135369 DOCUMENT TYPE: Review

PRODUCT NAMES: Xelus ESM Series (076872); Paint.Man (076881)

TITLE: Insight into the Business Pipeline: Why you should share...
AUTHOR: Berger, Jeff
SOURCE: Software Strategies, v6 n10 p34(4) Oct 2001
ISSN: 1087-2493
HOMEPAGE: http://www.softwarestrategies.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20020228

Using technology from Xelus, Siebel, MAPICS, and other software vendors, companies are expanding **supply chain** processes, providing suppliers with visibility into sales transactions. Visibility allows suppliers to anticipate market trends, improving **supply chain** efficiency. According to Tom Ryan, director of systems integration services at consultancy eSYNC International, to...

...information sharing by companies. In fact, only 20 percent of all businesses share data with **supply chain** partners. Working with 800 suppliers and 17,000 customers, aircraft part distributor Aviall employs Xelus's Plan, Extend, and **Link** modules to **link supply chain** members. The company also is integrating order entry capabilities into its Siebel system. This will...

...online. For its part, semiconductor manufacturer Powerex uses MAPICS's Point.Man enterprise system to **share** data with **suppliers**. Since implementing the system, order tracking support calls have dropped by 40 percent. In deploying collaborative **supply chain** systems, companies must find consistent methods for representing transactions across platforms. They must also consider security issues. Employing authentication technology can limit **network** vulnerabilities.

11/3,K/11
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00134412 DOCUMENT TYPE: Review

PRODUCT NAMES: Autotran (069663); AutoQ (069671); Business Information Warehouse (718955); WebIntelligence (666491); WebFOCUS (689823)

TITLE: Biz Intelligence Turns To Suppliers
AUTHOR: Whiting, Rick
SOURCE: Information Week, v859 p57(2) Oct 15, 2001

ISSN: 8750-6874
HOMEPAGE: http://www.informationweek.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20030130

...BusinessObjects' Web Intelligence, and Information Builders' WebFOCUS are among products highlighted in a discussion of **supply chains** ' increasing interest in use of business intelligence to analyze **links** , including **supply chain** processes and suppliers. Badger Technologies, for instance, uses Autotran activity-based cost software to track...

...Web Intelligence and PowerPlay online analytical processing (OLAP) software. New BI tools that specifically address **supply chain** applications are SageTree Analytic Applications and PowerMarket Value Chain Intelligence. SCI Systems, which wants to...

...supplier, and material performance measurement code from See Commerce. Ford Motor and other companies are **sharing** data about **suppliers** with their **suppliers** in order to improve quality control. Ford is developing an application for WebFOCUS that will...

11/3,K/12
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00134106 DOCUMENT TYPE: Review

PRODUCT NAMES: SPECTRUM Suite (304905)

TITLE: Aprisma expands Spectrum: Network mgmt. software will come in...
AUTHOR: Dubie, Denise
SOURCE: Network World, v18 n40 p23(2) Oct 1, 2001
ISSN: 0887-7661
HOMEPAGE: http://www.nwfusion.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20020703

Aprisma is breaking its Spectrum **network** management package into three releases, targeting small businesses, large enterprises, and service providers. The new...

...cause analysis features. Event correlation capabilities will allow customers like Aurora Health Care to predict **network** brownouts. It also will allow IT managers to configure automated corrective actions. Tapping Spectrum's central database and administrative console, the new packages also will be able to **share** data with third-party **vendors** ' software. Additionally, autodiscovery features will streamline the mapping of system devices. Aprisma's decision to...

11/3,K/13
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00133935 DOCUMENT TYPE: Review

PRODUCT NAMES: Commerce Services Network (073318); CommerceOne.net

(022411); Supply Order 3.0 (073334); Round Trip (073342); PunchOut (073326)

TITLE: B2B marketplaces frustrate suppliers: Ariba, Commerce One software...
AUTHOR: Ohlson, Kathleen
SOURCE: Network World, v18 n39 p14(1) Sep 24, 2001
ISSN: 0887-7661
HOMEPAGE: http://www.nwfusion.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20030130

Ariba's Commerce Services **Network** and PunchOut and Commerce One's CommerceOne.net, Supply Order 3.0, and Round Trip...
...at it all and verify it's correct.' Commerce One is addressing the problem with **SupplyOrder** 3.0 order **management** software. For its part, Ariba provides a temporary fix that would allow suppliers to view...

...supplier enablement at Ariba says, 'The challenge has been, and will continue to be, that **suppliers** accessing this generic user **interface** will see a view that will not be the exact view that their Ariba Buyer...

11/3,K/14
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00133897 DOCUMENT TYPE: Review

PRODUCT NAMES: WebSphere (709549); SunFire (065722); Solaris (334707)

TITLE: IT Helps Business Shape Up: Companies lean on Web technology...
AUTHOR: Robinson, Teri
SOURCE: InternetWeek, v879 p28(2) Sep 24, 2001
ISSN: 0746-8121
HOMEPAGE: http://www.internetwk.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20011130

...plastics maker for the automotive industry) says use of a Web service from Slam Dunk **Networks** saves his firm thousands of dollars each day. The system provides secure transactions between Venture...

...its suppliers. Wacker Siltronic, a maker of silicon wafers, also is trying to streamline its **supply chain** using a service from Entomos. The service acts as an application service provider (ASP) that...

...suppliers, without requiring Wacker to make large expenditures up front for infrastructure and applications that **links** suppliers. A third user of a Web-enabled **supply chain** services is GenLyte Thomas, the largest lighting supplier in the U.S. GenLyte **links** to its **suppliers** online to **share** designs and changes, reduce design cycles and ordering process time, enhance communications, and keep inventory...

11/3,K/15
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00133758 DOCUMENT TYPE: Review

PRODUCT NAMES: IBM Lotus Sametime (725668); Lotus Notes (550418)

TITLE: Capitalizing On Collaboration: From the design chain to the supply...
AUTHOR: Nelson, Matthew G
SOURCE: Information Week, v855 p109(3) Sep 17, 2001
ISSN: 8750-6874
HOMEPAGE: http://www.informationweek.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20030527

...debut the newest personal digital assistants (PDAs), settop boxes, and wireless phones. Collaboration allows quick **communication** with important customer and **suppliers** . National Semiconductor, which deployed a successful **supply chain** collaboration initiative, went further by extending the same expertise to its design chain. To increase...

...mail and conferencing. However, National did not need to deploy expensive ISDN lines because a **virtual** private **network** (VPN) is used to allow any employee in any location to **link** through the Internet.

11/3,K/16
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00132703 DOCUMENT TYPE: Review

PRODUCT NAMES: Collaborative Issue Resolution (062936); 21st Supplier (062944); SupplyWorksMax (009091); Event Manager (062952)

TITLE: Supply Chain as Strong as Its Weakest Link
AUTHOR: Ferguson, Renee Boucher
SOURCE: eWeek, v18 n31 p27(1) Aug 13, 2001
ISSN: 1530-6283
HOMEPAGE: http://www.eweek.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20030130

...components designed to optimize business-to- business (B2B) communications and transaction processing for discrete manufacturers. **Supply chain** optimization software allows quicker or more efficient production by **linking** the systems of manufacturers with the companies that provide materials used to produce products. Collaborative...

...that have existing optimization plans to more completely manage outsourced project by finding errors in **supply chain** operations. When the CIR suite finds a mistake, it informs responsible people for the error ...

...to- procurement module and a logistics module. 21st Supplier, a hosted solution, will extend manufacturers' **supply chain management** (SCM) beyond the leading 20 suppliers that are usually integrated into an SCM optimization plan...

...with collaboration, including bolstered instant messaging that catalogs and archives interactions, so that manufacturers and **suppliers** can **communicate** in real time.

11/3,K/17
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00132120 DOCUMENT TYPE: Review

PRODUCT NAMES: Supply Chain Management (833444); Software Marketing (833959)

TITLE: Supply Chain Management: Back to Basics
AUTHOR: Ince, John F
SOURCE: Upside, v134 p92(8) Jun 2001
ISSN: 1052-0341
HOMEPAGE: http://www.upside.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20011130

The weak economy may encourage the growth of the **supply chain management** (SCM) industry. Looking to cut operations expenses, companies like Dell and Frito-Lay have used SCM software to save millions of dollars. The SCM model **links** partners in **supply chains** , taking advantage of real-time, Web-based communications. Savings come from improvements in planning, organization, analysis, and execution. Additionally, collaboration between enterprises is improving profitability, with **suppliers sharing** inventory, forecast, and other information. Essentially, SCM is driving the development of large collaborative communities...

11/3,K/18
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00131989 DOCUMENT TYPE: Review

PRODUCT NAMES: MarketConnect (056227); Process Integrator (056235)

TITLE: Can Sellers Get Off The Phone? E-markets must solve data exchange...
AUTHOR: Ferguson, Renee Boucher
SOURCE: eWeek, v18 n27 p29(1) Jul 16, 2001
ISSN: 1530-6283
HOMEPAGE: http://www.eweek.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20020819

The deployment of an e-marketplace is only the first step in **linking supply chains** , with many suppliers lacking the technology to connect with systems. Additionally, with industry standards in...
...suppliers a means to market their services to e-commerce buyers. Additionally, its MarketConnect application **links** SAP AG legacy software to Commerce One e-commerce products. General Electric Company's GE Global Exchange Services division also is facing integration issues. With that,

the company has provided **suppliers** with an **interface** **linking** GE's integration brokers with Enterworks' Process Integrator. The interface allows integrators to create custom applications addressing **supply** **chain** processes. Currently, 25 percent of GE's suppliers are connected to the GE Global Exchange...

11/3,K/19
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00131901 DOCUMENT TYPE: Review

PRODUCT NAMES: ViaWare WMS (432059)

TITLE: Wired-Up (and Wireless) Logistics
AUTHOR: Andrews, David L
SOURCE: ID Systems, v21 n5 p38(4) May 2001
ISSN: 0892-676X
HOMEPAGE: http://www.idsystems.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20020722

...application is just as important as the package itself.' Graybar partnered with Provia, an international **distributor** of electrical supplies and **communications** , as well as PricewaterhouseCoopers (with which Graybar optimized its distribution **network**) and has been able to enhance warehouse productivity in multiple ways. PwC recommended VIAWARE WMS...

11/3,K/20
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00131854 DOCUMENT TYPE: Review

PRODUCT NAMES: B2B Marketplaces (842338)

TITLE: Super-Extranets: Private Hubs Prevail
AUTHOR: Wilson, Tim
SOURCE: InternetWeek, v868 p1(2) Jul 9, 2001
ISSN: 0746-8121
HOMEPAGE: http://www.internetwk.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20010930

...trading exchanges.' They seem to be the most appropriate pathway for future transactions in the **supply** **chains** of large companies. For instance, Siemens AG, a $65 billion conglomerate, uses public exchanges for ...
...direct procurement, such as the ability to negotiate complex contracts.' According to spokesperson Markus Frank, **linking** Siemens' back-end systems to public exchanges is difficult because no common interface exists. However, Siemens' Commerce One-based private exchange has a common **interface** with **suppliers** through a private exchange. Sun Microsystems also will eschew purchasing of materials through public exchanges...

11/3,K/21
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00131694 DOCUMENT TYPE: Review

PRODUCT NAMES: BlackHog ClearLink 2.0 (055336)

TITLE: BlackHog Lets Manufacturers and Suppliers Share Business Processes...
AUTHOR: Staff
SOURCE: Database Trends, v15 n5 p28(1) May 2001
ISSN: 1089-019X
HOMEPAGE: http://www.dbtr.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20010930

...shared database and two interfaces. A browser interface is geared to end-users. A machine **interface** automatically **links suppliers** ' back-end enterprise software to the SRM system.

11/3,K/22
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00131532 DOCUMENT TYPE: Review

PRODUCT NAMES: Supply Chain Management (833444); Collaborative Commerce (844969)

TITLE: Users See Greater Benefits In Tight Supply Chain Links
AUTHOR: Songini, Marc L
SOURCE: Computerworld, v35 n27 p26(1) Jul 2, 2001
ISSN: 0010-4841
HOMEPAGE: http://www.computerworld.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20020819

...than the avoidance of disaster, is the force driving a trend toward use of collaborative **supply chain** systems. Companies considering the latter should be sure that dependable and secure Web connections and...
...available and that partners are not yet ready to get their feet wet with collaborative **supply chain** systems. One company seeking to gain from the technology is Haworth, a maker of office future. It set up an automated collaborative system with **suppliers** for more efficient management and **sharing** of engineering among engineering departments, says a VP of global order fulfillment. Haworth will be...

11/3,K/23
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00131476 DOCUMENT TYPE: Review

PRODUCT NAMES: RAPIDteam (052914); eMPower (035211); ProductCenter

(056464)

TITLE: An e-Merging Trend for Manufacturers
AUTHOR: Staff
SOURCE: NASA Tech Briefs, v25 n5 p26(4) May 2001
ISSN: 0145-319X
HOMEPAGE: http://www.nasatech.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20010930

...increase profits, and streamline marketing are driving collaborative manufacturing and e-engineering. Manufacturers, engineers, and **suppliers** must **share** information to improve business processes. To date, however, most engineers have used the Internet for...
...the issue. RedSpark, an Autodesk spin-off, offers its RAPIDteam inter-enterprise platform, targeting project **managers** , engineers, **supply chain managers** , and others. The program helps manufacturers **manage** complete **supply chains** , shortening time to market. Tecnomatix offers its ePower facilities operation program, which provides collaboration tools ...

...with product information, also sending data to the factory floor. SmarTeam offers SmartBriefcase, which allows **supply chain** partners to exchange design data. MSC.Software's Engineering Exchange **links** customers to an engineering environment, with templates defining work statements, organizing product specifics, and supplying...

11/3,K/24
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00130536 DOCUMENT TYPE: Review

PRODUCT NAMES: SPECTRUM Suite (304905); CA-Unicenter (359424); Neugents (745456); Netcool/Impact (768863)

TITLE: Getting to the Root of the Problem: Event correlation and...
AUTHOR: Lais, Sami
SOURCE: Computerworld, v35 n20 p56(2) May 14, 2001
ISSN: 0010-4841
HOMEPAGE: http://www.computerworld.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20020830

...and Micromuse's NetCool are highlighted in a discussion of the real potential of automated **network** management (event correlation and root-correlation) tools. XML assists in providing a compatible **interface** among different **vendors** ' automated **network** management tools, which are designed to offer advanced features. For instance, Spectrum does autodiscovery, and...

...However, model-builders determined that it was easier to construct a topological model of the **network** manually. A domain architect indicates that such tools must 'sense when something out of the...

...users think they are getting return on investment. Advantages can be significant; they include fewer **network** errors, better service-level

delivery, lower staffing requirements, and lower overhead. Royal Caribbean deployed Compaq Insight Manager and Unicenter, which generates escalating alarms. Neugents aggregates and correlates data on **network** components and business relationships, while NetCool/Impact is presentation software that works with a system...

11/3,K/25
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00129753 DOCUMENT TYPE: Review

PRODUCT NAMES: Oracle E-Business Suite (020575); Cross Media Messaging (045357)

TITLE: Making the case for wireless access to apps
AUTHOR: Fonseca, Brian
SOURCE: InfoWorld, v23 n15 p31(1) Apr 9, 2001
ISSN: 0199-6649
HOMEPAGE: http://www.infoworld.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20030330

Oracle's Oracle E-Business Suite and Vocal **Link** 's Cross Media Messaging are highlighted in a discussion of the push by some **vendors** to use wireless **transmission** to offer 'real bottom-line benefits.' For instance, AppShop, an Oracle e-Business Suite application...
...become available on PDAs, Wireless Application Protocol (WAP) phones, and other mobile devices, while Vocal **Link** will use Novarra's wireless code to provide access to Cross Media Messaging applications via...

...business applications support customer relationship management (CRM), finance, human resources, enterprise resource planning (ERP), manufacturing, **supply chain management** (SCM), marketing, product development, and transportation. McData, a vendor of storage area **network** (SAN) switches, will soon start testing AppShop's wireless initiative for a project that will...

11/3,K/26
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00128640 DOCUMENT TYPE: Review

PRODUCT NAMES: Zeborg MarketPort (037851); Zeborg ExpenseMap (037869); Zeborg Advanced Sourcing (037877); Syncra Ct (772607)

TITLE: Ariba extends exchange: Alliances spice up marketplace functions
AUTHOR: Schwartz, Ephraim
SOURCE: InfoWorld, v23 n9 p1(2) Feb 26, 2001
ISSN: 0199-6649
HOMEPAGE: http://www.infoworld.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20010530

...are highlighted in a discussion of Ariba's announcement of alliances

that move out its **supply chain** function set beyond the reach of the current marketplace platform. Partners include Syncra, Zeborg, and...
...player in the exchange infrastructure space and also partnered in 2000 with Blue Martini, a **vendor** that integrates multi- **communications** channels in a marketplace. However, Ariba is being urged to provide more than a basic e-marketplace, say analysts, and faces strong competition from a **virtual** merger between SAP Commerce One, which will serve up a larger collection of collaborative functions...

11/3,K/27
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00127801 DOCUMENT TYPE: Review

PRODUCT NAMES: IPNet eBizness Suite (020583)

TITLE: IPNet eBizness Suite--From IPNet Solutions: Seamlessly Linking...
AUTHOR: Courtney, Philip E
SOURCE: eAI Journal, v2 n10 p71(1) Oct 2000
HOMEPAGE: http://www.eaijournal.com

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: A

REVISION DATE: 20020630

IPNet Solutions' IPNet eBizness Suite is a set of components that fully and smoothly **link** businesses and their trading partners by building **virtual** trading communities and optimizing exchange. Rated excellent overall, eBizness Suite reduces the time and expense of **linking** partners and encourages full participation among all **supply chain** participants. eBizness Suite can provide a single point of integration for many collaboration and transaction...

...trading partners the access they need to information in existing enterprise resource planning (ERP) and **supply chain management** (SCM) systems in order to enhance decision-making. eBizness Collaborate automates data **sharing** among companies, **suppliers** , and exchanges. eBizness Order allows users to build and deploy their complete B2B catalogs online...

11/3,K/28
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00127204 DOCUMENT TYPE: Review

PRODUCT NAMES: Supply Chain Management (833444)

TITLE: Internet Strengthens Enterprise Bonds
AUTHOR: Violino, Bob
SOURCE: InternetWeek, v835 p12(5) Oct 30, 2000
ISSN: 0746-8121
HOMEPAGE: http://www.internetwk.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20010228

...in which companies use the Internet to bolster enterprise system intercommunication and integration focuses on **supply chain** features.

Fifty-two percent of 1,000 IT and business managers surveyed say their departments do not have **links** with business partners over the Web for functions such as **inventory management** , purchasing, and billing. However, the rest do, and they say the Internet increases the ability of their companies to more pragmatically **share** data with customers, **suppliers** , and **distributors** . Speaking of the Internet, Harrison Tempest, chair and CEO of ABN Amro North America, says...

11/3,K/29
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00127118 DOCUMENT TYPE: Review

PRODUCT NAMES: eRoom 5.0 (674966); Practicity 4.0 (027642); c-Apps (027651)

TITLE: Web collaboration tools enliven enterprises
AUTHOR: Moore, Cathleen
SOURCE: InfoWorld, v22 n46 p35(1) Nov 13, 2000
ISSN: 0199-6649
HOMEPAGE: http://www.infoworld.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20030221

...Apps are highlighted in a discussion of Web collaboration tools and their ability to bolster **communication** among clients, **suppliers** , and partners. eRoom 5.0 takes advantage of the Web to **link** geographically separated teams that can easily gather and collaborate online to meet deadlines for short...

...an electronic work space for communities of staff, customers, and partners. Tools for customer relationship **management** (CRM) and **supply chain management** (SCM) are provided.

11/3,K/30
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00126362 DOCUMENT TYPE: Review

PRODUCT NAMES: Supply Chain Management (519669)

TITLE: We're All in This Together: The Coming of Online Collaboration
AUTHOR: McKendrick, Joseph
SOURCE: Electronic Commerce World, v10 n7 p42(4) Jul 2000
ISSN: 1092-0366
HOMEPAGE: http://www.ecomworld.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20010130

...the e-commerce world, including document exchange, e-mail, online team-based product design, and **sharing** of forecasting data among manufacturers, **distributors** , and retailers. In the next four years, almost 80 percent of all product information stored...
...according to GartnerGroup. Irrespective of the approach used, online

collaboration provides revolutionary and efficient new **supply chain management** (SCM) methods. E-commerce undoubtedly can reduce costs, but most initiatives do nothing to expand...

...business-to-business (B2B) e-marketplaces will fail in the next few years, and because **supply chain** collaboration will be key to those that survive, companies should always know the state of readiness of their trading partners. Within three years, 70 percent of **supply chain** collaboration initiatives will have migrated from private extranets to e-marketplaces. EnergyPortal.com, which is...

...collaboration based on SiteScape Forum, tries to create a pool of information and offers forums, **virtual** conferences, and online training.

11/3,K/31
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00125845 DOCUMENT TYPE: Review

PRODUCT NAMES: XML (837709); B2B Marketplaces (842338)

TITLE: Breaking The Chain: Supply chains are changing the world of...
AUTHOR: Tadjer, Rivka
SOURCE: Red Herring, v82 p424(3) Sep 2000
ISSN: 1080-067X
HOMEPAGE: http://www.redherring.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20010430

eXtensible Markup Language (XML) is highlighted as the universal language for **communication** among portals. Over 100 software **vendors**, including new portal vendors, have entered the market supporting business-to-business (B2B) commerce. They...
...find out their online operations are not very economical. Everyone now knows that building a **network** architecture that supports genuine commerce through portals is very expensive and difficult. The advantages of...

11/3,K/32
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00125386 DOCUMENT TYPE: Review

PRODUCT NAMES: Supply Chain Management (519669); E-Commerce (836109)

TITLE: Setting a Supply-Chain Course
AUTHOR: Roberts-Witt, Sarah L
SOURCE: Knowledge Management, pe6(3) Aug 2000
HOMEPAGE: http://www.kmmag.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20010430

The future of the online **supply chain**, says an expert, depends on the ability give e-companies tools that enhance competitive stance by **linking** internal operations with **suppliers**, logistics providers, and customers to

share as much information as possible as swiftly as possible. Even though **supply chain management** (SCM) and re-engineering is a much talked-about technology, many companies are simply not...
...still do not coordinate tasks for the e-commerce environment. To get ready for online **supply chain** enhancements, companies should first create a team of workers who believe in and want to...

...business strategy as it relates to back-end systems and operations driving the company's **supply chain** . Such teams should always look at the systems, configurations, achievements, successes, and failures of other organizations inside and outside their industries. One place to look is the Automotive **Network** Exchange (ANX), which was been active for two years and was designed to 'streamline portions of the auto industry's **supply chain** by allowing parts suppliers to executive trades over the ANX **network** , a private IP **network** , without having to use more expensive electronic data interchange (EDI) systems.' ANX, which had some...

11/3,K/33
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00125157 DOCUMENT TYPE: Review

PRODUCT NAMES: APS (832847)

TITLE: An Inside View of Operations, Warts and All
AUTHOR: Hoch, G Jeffrey
SOURCE: Software Strategies, v5 n4 p36(4) Apr 2000
ISSN: 1087-2493
HOMEPAGE: http://www.softwarestrategies.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20001130

...suppliers' shops. When used appropriately, APS software can improve the efficiency of a factory and **link** supply **networks** via the Web. APS software was originally designed to let manufacturers optimize their scheduling operations in their factories, but as companies began to use the Internet as a **supply management** tool, the software evolved into an application that **links** manufacturers to their **supply chains** . Usually APS products offer functionality in demand forecasting and planning, productions planning and scheduling, and distribution, transportation, and **supply chain** planning. APS software is being used in sourcing- dominant, manufacturing-dominant, and distribution-dominant types...

...companies use APS depends on several variables, the most important being a manufacturer and its **supplier** 's willingness to **share** information with each other. However, in the fast-moving e-commerce world, manufacturers may not...

11/3,K/34
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00125109 DOCUMENT TYPE: Review

PRODUCT NAMES: Viquity Dynamic Commerce Network (010758)

TITLE: Start-up hosting supply-chain apps
AUTHOR: Messmer, Ellen
SOURCE: Network World, v17 n22 p37(2) May 29, 2000

ISSN: 0887-7661
HOMEPAGE: http://www.nwfusion.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20001130

Viquity's Viquity Dynamic Commerce **Network**, a hosted **supply chain** application, depends on format-independent XML to allow manufacturers to share sales forecasts and place...

...directly into a supplier's back-end system. CEO Chris Grejtak says Viquity Dynamic Commerce **Network** gives a manufacturer who outsources production of some components the ability to electronically **share** documents with customers or **suppliers** , rather than printing reports or calling to finalize a business deal. Instead, suppliers can access...

...enterprise resource planning (ERP) system to transport forecast data directly to the Viquity Dynamic Commerce **Network** . A VP of **supply chain management** for Sonic says Viquity goes to an Expandable ERP system, reads the sales forecast, and...

11/3,K/35
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00124915 DOCUMENT TYPE: Review

PRODUCT NAMES: Company--Cisco Systems Inc (850187)

TITLE: A Matter of Connections
AUTHOR: Sherman, Lee
SOURCE: Knowledge Management, v3 n7 p42(6) Jul 2000
HOMEPAGE: http://www.kmmag.com

RECORD TYPE: Review
REVIEW TYPE: Company

REVISION DATE: 20020703

...but do not call them KM. Cisco has taken advantage of its leadership in data **network** infrastructure, using routers, hubs, switches, and other products to build open information architectures. These **link** Cisco's employees, suppliers, and customers to the information and knowledge they need to do their jobs. The resulting channels have permitted Cisco to create efficient processes, automate practices, and **share** knowledge with **suppliers** to build trusted, mutually lucrative partnerships. Cisco emphasizes knowledge-sharing rather than knowledge stock-piling...

...is a portal to multiple customer-facing applications, that is used by customers to diagnose **network** problems. Customers can configure, price, route, and submit orders to Cisco on an automated order...

11/3,K/36
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00123073 DOCUMENT TYPE: Review

PRODUCT NAMES: Ironside Network (746701); Ironworks 4.0 (727822)

TITLE: Supplier Network to Ease Access to Online Exchanges

AUTHOR: King, Julia
SOURCE: Computerworld, v34 n14 p20(1) Apr 3, 2000
ISSN: 0010-4841
HOMEPAGE: http://www.computerworld.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20020819

Ironside Technologies' Ironside **Network** and Ironworks 4.0 are software and services that provide suppliers with plug-and-play, real-time data integration with multiple online exchanges. Ironside **Network** is important because it provides suppliers with a venue for quickly entering and exiting online markets without creating separate back-end **links** to each exchange. Ironside offers basic integration via XML so **suppliers** can **upload** real-time data from enterprise systems to multiple online exchanges, irrespective of the commerce protocols used by a specific exchange or the enterprise software at the user's company. Ironside **Network** will at first support exchanges using XML-enabled protocols from Ariba and Commerce One, and...

11/3,K/37
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00122950 DOCUMENT TYPE: Review

PRODUCT NAMES: Just In Time (830259); Supply Chain Management (833444)

TITLE: Collaborate or Perish!: The Just-in-Time Supply Model...
AUTHOR: Joyner, Scott
SOURCE: Intelligent Enterprise, v3 n5 p36(5) Mar 20, 2000
ISSN: 1524-3621
HOMEPAGE: http://www.intelligententerprise.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20020124

...information at fiber-optic speed over a distribution channel. Synchronization with suppliers over high-speed **networks** is also required for successful product management and distribution. Effective, willing collaboration with all **supply chain** members is required throughout. Ways in which a business can deploy a capable-to-promise...
...vendor/supplier relationships; the vendor as 'black box,' or provider of streamlined, trouble-free purchasing; **communication** with **suppliers** ; middleware, which allows interaction at a digital level and transport of information to all systems...

11/3,K/38
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00122545 DOCUMENT TYPE: Review

PRODUCT NAMES: Extranets (837385)

TITLE: Say goodbye to supply 'chains'
AUTHOR: Hill, Sidney, Jr
SOURCE: Manufacturing Systems, v18 n1 p30(4) Jan 2000

ISSN: 0748-9488
HOMEPAGE: http://www.manufacturingsystems.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20010330

The e-commerce revolution will transform **supply chains** into **supply** webs, or Internet-based trading communities that, in conjunction with **supply chain management** (SCM) and customer relationship management (CRM) systems, will give manufacturing and distribution companies the tools ...
...specific set of goods and services to end users/customers. Supply webs, as opposed to **supply chains** , can have an infinite number of members. Generally, supply Web developers merge Internet Protocol (IP...

...electronic data interchange (EDI) technology. Other names for supply webs are electronic trading communities or **virtual** marketplaces in which trading partners can more easily share information about their businesses. For instance, manufacturers can widely disseminate demand forecasts over a supply web at regular intervals, and **suppliers** can **transmit** information about available inventory and production capacity. More than 46 large high-tech manufacturers belong...

11/3,K/39
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00122274 DOCUMENT TYPE: Review

PRODUCT NAMES: XML (837709); Supply Chain Management (833444)

TITLE: B-to-B Exchanges Tighten Buyer/Seller Data Links
AUTHOR: King, Julia
SOURCE: Computerworld, v34 n10 p42(1) Mar 6, 2000
ISSN: 0010-4841
HOMEPAGE: http://www.computerworld.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20020819

...XML translation technology called DataJet, which was constructed by e-Steel with the assistance of **vendors** . DataJet allows steel producers to **upload** flat files that describe thousands of inventory items to e-Steel, and also converts data...
...webMethods, a developer of XML application integration software, are working together to find ways to **link** to enterprise resource planning (ERP) systems. They will create a standard industry protocol called the...

11/3,K/40
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00121713 DOCUMENT TYPE: Review

PRODUCT NAMES: CarsDirect.com (774375)

TITLE: Auto Dealers Take Web Offensive: Extranets, changes combat 'disint...

AUTHOR: Wilson, Tim
SOURCE: InternetWeek, v799 p1(2) Feb 7, 2000
ISSN: 0746-8121
HOMEPAGE: http://www.internetwk.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20011030

...Cobalt Group, a developer of Web software customized for auto dealers, Motorplace.com will allow **dealers** of all types to congregate, **share** information, and transact business. Currently, auto dealers have to compete with manufacturers who may take...
...for development of online ads, management of sales leads, handling of online customer service, and **linking** to Cobalt auto parts locator system.

11/3,K/41
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00120844 DOCUMENT TYPE: Review

PRODUCT NAMES: ColdFusion (743267); Macromedia HomeSite (655571); Spectra (781622)

TITLE: Now in Syndication: An old-media model may be the future of the In...
AUTHOR: Werbach, Kevin
SOURCE: Red Herring, v72 p159(4) Nov 1999
ISSN: 1080-067X
HOMEPAGE: http://www.redherring.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20020923

...approach used in the traditional media world that could transform the way in which companies **link** with each other via the Web. Although the World Wide Web is a gathering of...
...and more content. Moreover, implementors will not have to conduct high-cost and time-intensive **supply chain** integration projects. Web applications are designed for distribution in a **networked** environment that promotes the advantages of using affiliate sites that generate commissions by referring customers...

...and Vignette but at less cost. Included WDDX technology will allow companies to provide secure **interfaces** to their core applications, and **vendors** can syndicate, for example, their product catalogs and order-entry applications.

11/3,K/42
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00120442 DOCUMENT TYPE: Review

PRODUCT NAMES: Internet Marketing (835552); Retailers (830308)

TITLE: Santa's Virtual Elves: Inventory is everything this Christmas...
AUTHOR: Heuer, Stefan

SOURCE: Industry Standard, v2 n34 p174(2) Nov 8, 1999
ISSN: 1098-9196
HOMEPAGE: http://www.thestandard.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20000130

...of inventory, like last Christmas, online retailers are investing heavily in additional inventory and communications **links** . Online sales are expected to be $6 billion year, 40 percent increase of total Internet ...
...future, XML programming, among other emerging standards, can improve retailing technology further by speeding up **communications** among **vendors** .

11/3,K/43
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00117096 DOCUMENT TYPE: Review

PRODUCT NAMES: Supply Chain Management (833444)

TITLE: New Opportunities in Supply Chain Management
AUTHOR: Crandell, Christine
SOURCE: TechWeek, v2 n7 p17(1) Apr 5, 1999
HOMEPAGE: http://www.techweek.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 19990730

Supply chain vendors need to provide for **sharing** information and channel masters in light of the continued shakeup of vendors that continues through...

...are product market leaders, distributors, or critical component manufacturers that serve as the single company **link** for driving **supply chain management** . Many ERP vendors have already looked ahead to future market conditions and have acquired any...

...about new products and trends, and the continued trend of coupling collaborative groupware applications with **supply chain** systems will have a big impact on ERP markets. **Supply chain** operations will continue to be acquired out of fear over the next three years, though...

11/3,K/44
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00107421 DOCUMENT TYPE: Review

PRODUCT NAMES: Extranets (837385)

TITLE: Extranets: The keys to the corporate kingdom?
AUTHOR: Pincince, Thomas J
SOURCE: Network World, v15 n7 p29(1) Feb 16, 1998
ISSN: 0887-7661
HOMEPAGE: http://www.nwfusion.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20010330

...way to quickly deploy internal applications without an expensive proprietary implementation. An extranet creates a **link** between a corporation and its partners, by using the Internet as a means of safe...

...the public Internet, instead of through a costly private line or an EDI value-added **network** . Extranets can be used for many types of applications, including simple file **sharing** , to more critical business transactions. **Suppliers** and customers can also benefit from the extranet by gaining easy access to critical information. Transmission is secure, and extranets help to improve **supply chain management** by giving suppliers and buyers an easy means to communicate and share information. The benefits ...

11/3,K/45
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00107039 DOCUMENT TYPE: Review

PRODUCT NAMES: Internet Marketing (835552)

TITLE: The Virtual Corporation: It's Closer Than You Think
AUTHOR: Joachim, David
SOURCE: InternetWeek, v709 pS3(1) Apr 6, 1998
ISSN: 0746-8121
HOMEPAGE: http://www.internetwk.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20010330

...beyond being an inexpensive way to communicate; it is becoming a platform for business. The **Virtual** Corporation model can be used to connect the entire corporation with partners and customers, create new sales opportunities, and cut costs. Although large corporations have not yet automated the **supply chain** from end-to-end via the Internet, that day is close, and tremendous advances have...

...syndicated selling environment, a Web community is built around a common interest or product grouping. **Suppliers** replicate their buying **interface** as much as possible. In direct selling, customers buy directly from suppliers, and in a Web value **chain** , **supply chain management** and customer-facing systems are joined, which allows for a real-time exchange of manufacturing, inventory, and sales data. In a collaborative extranet, departmental peers in partnering organizations are **linked** electronically.

11/3,K/46
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00101690 DOCUMENT TYPE: Review

PRODUCT NAMES: Net.Commerce (627291); Microsoft Merchant Server (617164)

TITLE: A Grand Opening For Virtual Storefronts With Middleware

AUTHOR: Nance, Barry
SOURCE: Network Computing, v8 n10 p80(5) Jun 1, 1997
ISSN: 1046-4468
HOMEPAGE: http://www.NetworkComputing.com

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: C

REVISION DATE: 20010730

...one. A commerce server accepts an order via the World Wide Web, reduces on-hand **inventory** , sets up **fulfillment** , and sends a debit transaction to a financial institution. Commerce software also provides application programming **interface** (API) hooks to third-party **vendors** ' products... Merchant Server was uneven, with good scalability, no built-in Secure Electronic Transaction support...

11/3,K/47
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00100627 DOCUMENT TYPE: Review

PRODUCT NAMES: EDI (Electronic Data Interchange) (830052); E-Commerce (836109)

TITLE: Ties that bind
AUTHOR: Ferranti, Marc
SOURCE: InfoWorld, v19 n14 p59(2) Apr 7, 1997
ISSN: 0199-6649
HOMEPAGE: http://www.infoworld.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20020227

...that the advantage of the new methods are their ability to allow disparate companies to **link** inventories, production schedules, and distribution databases over the Internet. The **linked** databases allow product makers and parts **suppliers** to **share** information. Therefore, the process of gathering data for predicting **supply chain** and **inventory** needs is automated. Collaborative forecasting can save billions of dollars by making people work more...

11/3,K/48
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00092635 DOCUMENT TYPE: Review

PRODUCT NAMES: EDI (Electronic Data Interchange) (830052); Supply Chain Management (519669)

TITLE: Reducing Supply Chain Cycle Time
AUTHOR: Bruce, Henry
SOURCE: EDI World, v6 n5 p29(2) May 1996
ISSN: 1055-0399

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20020227

...which is based on electronic data interchange (EDI). SCR establishes a high level of information **sharing** between **distributors** , manufacturers, **suppliers** , and retailers, in an attempt to synchronize the **supply** and demand **chain** processes and deliver products to the consumer in a more efficient manner. SCR can significantly reduce the cycle time in the **supply chain** , and result in faster turnaround and greater productivity. This environment can be facilitated through technologies...

...response to customer queries. Electronic commerce (EC) is another critical element of SCR. EC facilitates **links** between customers, distributors, and manufacturers, as well as internal departments.

11/3,K/49
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00091025 DOCUMENT TYPE: Review

PRODUCT NAMES: Company--Sterling Software Inc (859834); Company--Sterling Commerce Inc (862908)

TITLE: Shining Offspring
AUTHOR: Mulqueen, John T
SOURCE: Communications Week, v600 p69(1) Mar 11, 1996
ISSN: 0746-8121

RECORD TYPE: Review
REVIEW TYPE: Company

REVISION DATE: 20030625

...63 million shares to shareholders before September 30, 1996. Sterling Commerce runs five groups, including **Network** Services, which provides Commerce software, services, and databases; Interchange Software, **vendor** of Gentran translation software; and **Communications** , **vendor** of Connect software and services for EDI, electronic funds transfer, claims processing, and **inventory management** . Other products from Sterling Commerce include the Vector family of EDI products and encryption, security ...

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File  35:Dissertation Abs Online 1861-2003/Jun
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File 475:Wall Street Journal Abs 1973-2003/Jul 28
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Set     Items   Description
S1      90739   (SUPPLY? OR SUPPLIES OR INVENTORY OR INVENTORIES OR STOCK -
             OR STOCKING)(3N)(CHAIN? ? OR MANAG? OR FULFILLMENT OR LOGISTI-
             C?) OR SCM
S2    3839873   VIRTUAL? OR CYBER OR COMPUTERI? OR DISTRIBUTED OR NETWORK?
             OR LINK? OR INTERACTIV?
S3      35680   (K OR WAL OR QUICK)(1W)MART? ? OR (CONVENIENCE OR C OR DIS-
             COUNT OR DOLLAR OR NEIGHBORHOOD)(2W)(STORE OR STORES OR SHOP?
             ? OR OUTLET? OR MART? ? OR RETAILER?) OR DISCOUNTER? OR 7(1W)-
             (11 OR ELEVEN) OR CIRCLE(1W)K
S4     347639   VENDOR? OR MERCHANT? ? OR SUPPLIER? OR DEALER? ? OR DISTRI-
             BUTOR? OR WHOLESALER?
S5    5099410   SHARE? OR SHARING OR CIRCULAT? OR TRANSMIT? OR TRANSMISS? -
             OR DISSEMINAT? OR NOTIFI? OR NOTIFY? OR APPRIS? OR TELL OR TO-
             LD OR IMPART? OR INFORM?? OR INFORMING OR COMMUNICAT? OR INTE-
             RFAC? OR UPLOAD? OR UP()LOAD?
S6          0   (S1(5N)S3) AND (S2(5N)S5) AND S4
S7          3   S1 AND S2 AND S3 AND S4 AND S5
S8         47   S1 AND S2 AND S3
S9         41   S8 NOT PY>2001
S10        38   S9 NOT PD>20010323
S11        38   RD (unique items)
S12       380   S1 AND (S4(5N)S5)
S13        26   (S1(5N)S2) AND (S4(5N)S5)
S14        24   S13 NOT PY>2001
S15        23   S14 NOT PD>20010323
S16        21   RD (unique items)
```

7/TI,PY/1 (Item 1 from file: 233)
DIALOG(R)File 233:(c) 2003 Info. Today Inc. All rts. reserv.

The supply chain 's RFID gambit -- Using embedded chips in every product could transform retail supply chains
2002

7/TI,PY/2 (Item 2 from file: 233)
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Extending the supply chain -- Supply chains used to be exclusive affairs, the playthings of corporate giants who arm-twisted a few of their bigger...
1998

7/TI,PY/3 (Item 1 from file: 7)
DIALOG(R)File 7:(c) 2003 Inst for Sci Info. All rts. reserv.

TITLE: Information technology in the retail food industry
2000
, 2000

7/3,K/2 (Item 2 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.

00513278 98SN11-004
Extending the supply chain -- Supply chains **used to be exclusive affairs, the playthings of corporate giants who arm-twisted a few of their bigger...**
Schwartz, Matthew
Software Magazine , November 1, 1998 , v18 n15 p44-48, 5 Page(s)
ISSN: 0897-8085
Company Name: Sears, Roebuck; **Wal - Mart** Stores

Extending the supply chain -- Supply chains **used to be exclusive affairs, the playthings of corporate giants who arm-twisted a few...**
Company Name: Sears, Roebuck; **Wal - Mart** Stores
Discusses electronic data interchange (EDI), a system that holds together and automates huge **supply chains** like Sears, Roebuck & Co.. Notes that EDI requires an electronic **transmission** medium, usually in the form of a value-added **network** , as well as agreed-upon standards, relative rapid delivery of electronic documents, and direct application-to-application **communication** . Points out that hardwiring **logistics** applications across a **supply chain** is expensive, but a necessary evil for massive companies, since they can quickly recoup the...

... company d of inventory problems. Also discusses the benefits that Wa derives from EDI, including **supplier interface** , management of the distribution system, and control of inventories in a store-by-st basis.
Identifiers: Sears, Roebuck; **Wal - Mart** Stores

7/3,K/3 (Item 1 from file: 7)
DIALOG(R)File 7:Social SciSearch(R)

03452618 GENUINE ARTICLE#: 299FD NO. REFERENCES: 21
TITLE: Information technology in the retail food industry
AUTHOR(S): Kinsey J (REPRINT); Ashman S
CORPORATE SOURCE: UNIV MINNESOTA,RETAIL FOOD IND CTR, DEPT APPL ECON, 317 CLASSROOM OFF BLDG/ST PAUL//MN/55108 (REPRINT)
JOURNAL: TECHNOLOGY IN SOCIETY, 2000, V22, N1 (JAN), P83-96
PUBLISHER: PERGAMON-ELSEVIER SCIENCE LTD, THE BOULEVARD, LANGFORD LANE, KIDLINGTON, OXFORD OX5 1GB, ENGLAND
LANGUAGE: English DOCUMENT TYPE: Article
(ABSTRACT AVAILABLE)

...ABSTRACT: half of these sales are in grocery stores. The competition within the industry for a **share** of consumers' food dollar is fierce. In seven of the last twelve years real sales...

...and the Internet. The retail food industry, defined for purposes of this article as the **supply chain** for the grocery business, has been forced to adopt new technology and increase efficiency, but more importantly, they are developing new business practices and relationships with their **suppliers** . Food retailers have been holding, but underutilizing, the key to efficiency in this **supply chain** -data collected by their check-out scanners every day. This article reviews a short history...

...there is always a steady demand for food, and a retail outlet is required in **virtually** every town and neighborhood, those who supply food have not felt a great need to...

...new and creative ways. There is a long cycle starting with independent, small town or **neighborhood** grocery **stores** that carried customers' credit accounts and delivered food to their homes, to cash and carry...

...can purchase on credit and have food delivered to their homes.

Innovation in the food **supply chain** happens at every level and in auxiliary industries. This **supply chain** starts with seeds that ore planted to produce the basic foodstuffs for human and animal...

...processors who produce ingredients for food manufacturers. Food manufacturers develop, package and sell food to **wholesalers** and/or retailers who deal directly with final consumers. At the front end of this **supply chain** the recent introduction of genetically modified seeds stands to revolutionize the basic properties of food...

...systems, and new competition. The hypothesis explored in this article is that the competition for **share** of consumers' stomach has forced food stores and their **suppliers** (**wholesalers** and manufactures) to learn how to exploit the power of information available from point-of...

...institutions. The retail food industry is just starting down that path. They are beginning to **share** customer-centric information as it comes off the scanner at every check-out stand with their **suppliers** and build a new culture-a new way to do business-that is just beginning...

...from fast food places and food-away-from-home outlets, and the 1962 arrival of **Wal - Mart** , the mighty competitor who is fully capable of realizing all the **supply chain** efficiencies of a well managed, customer-centric information system.

11/TI/1 (Item 1 from file: 583)
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Wal - Mart alarms suppliers with Net procurement plans
US: **WAL - MART** TO ADOPT ONLINE PRODUCT SOURCING

11/TI/2 (Item 2 from file: 583)
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Advance Agro to sell paper via 7-Elevens
US: 7 - **ELEVEN** TO SELL ADVANCE AGRO'S PAPER

11/TI/3 (Item 3 from file: 583)
DIALOG(R)File 583:(c) 2002 The Gale Group. All rts. reserv.

Aldi takes moral high ground over Irish sourcing
IRELAND: MORE DOMESTIC PRODUCT SOURCING BY ALDI

11/TI/4 (Item 4 from file: 583)
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FitFlex industrial-parts franchise chain to go online
THAILAND: FITFLEX TO TREAD E-COMMERCE PATH

11/TI/5 (Item 5 from file: 583)
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To improve **supply chain management**
HONG KONG: STUDY TEAM FOR **SUPPLY CHAIN**

11/TI/6 (Item 6 from file: 583)
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UK: **WAL - MART** THREATENS CHANGE
UK: **WAL - MART** THREATENS CHANGE

11/TI/7 (Item 7 from file: 583)
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Budgens could save t10m in barter ploy
UK: BUDGENS JOINS BARTERCARD **NETWORK**

11/TI/8 (Item 8 from file: 583)
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JV formed for **chain management , supplies**
THAILAND: NEW UNIT FOR THAI DMR RETAILING

11/TI/9 (Item 9 from file: 583)
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Suppliers set to **link** with global data powerhouse
UK/US: **WAL - MART** BRINGS RETAIL **LINK** TO THE UK

11/TI/10 (Item 10 from file: 583)
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Banks, **convenience stores** to jointly installATMs
JAPAN: ATMs TO BE SET UP IN **CONVENIENCE STORES**

11/TI/11 (Item 11 from file: 583)
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Toys R US set to revamp 525 stores
US: TOYS R US TO RENOVATE STORES

11/TI/12 (Item 12 from file: 583)
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Insolvency law reform 'could cut bankruptcies'
UK: WALL'S TO END **LINKS** WITH DISTRIBUTORS

11/TI/13 (Item 13 from file: 583)
DIALOG(R)File 583:(c) 2002 The Gale Group. All rts. reserv.

Trading terms now the priority says Middleditch
UK: SPAR BATTLES TO FIGHT COMPETITION

11/TI/14 (Item 14 from file: 583)
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SAVE - or scupper?
UK: INDEPENDENTS URGED TO SHUN SAVE SCHEME

11/TI/15 (Item 15 from file: 583)
DIALOG(R)File 583:(c) 2002 The Gale Group. All rts. reserv.

Siam Cement unveils restructure
THAILAND: SIAM CEMENT TO REVAMP DEALER **NETWORK**

11/TI/16 (Item 16 from file: 583)
DIALOG(R)File 583:(c) 2002 The Gale Group. All rts. reserv.

Conad accelera ancora la corsa e punta a 5mila miliardi di ricavi
ITALY: CONAD ANNOUNCES STRATEGIES

11/TI/17 (Item 17 from file: 583)
DIALOG(R)File 583:(c) 2002 The Gale Group. All rts. reserv.

Lotus store operator plans electronic investory, sales
THAILAND: **DISCOUNT STORE** OPERATOR TO **COMPUTERISE**

11/TI/18 (Item 18 from file: 583)
DIALOG(R)File 583:(c) 2002 The Gale Group. All rts. reserv.

Olivetti wins HK$50m Deal with **7 - Eleven**
HONG KONG: **7 - ELEVEN** HIRES OLIVETTI

11/TI/19 (Item 19 from file: 583)
DIALOG(R)File 583:(c) 2002 The Gale Group. All rts. reserv.

Olivetti makes for quicker convenience at **7 - Eleven** stores
HONG KONG: OLIVETTI IN DEAL WITH **7 - ELEVEN**

11/TI/20 (Item 20 from file: 583)
DIALOG(R)File 583:(c) 2002 The Gale Group. All rts. reserv.

Les grandes surfaces en ligne directe avec leurs fournisseurs
FRANCE: EDI AND DISTRIBUTION

11/TI/21 (Item 21 from file: 583)
DIALOG(R)File 583:(c) 2002 The Gale Group. All rts. reserv.

LES CONCURRENTS DE L'OFFICINE GAGNENT DU TERRAIN
FRANCE: STORES FOR HEALTH AND HYGIENE PRODUCTS

11/TI/22 (Item 22 from file: 583)
DIALOG(R)File 583:(c) 2002 The Gale Group. All rts. reserv.

STRATUS COMPUTER WINS USDLR3.9 MIL CONTRACT
JAPAN - STRATUS COMPUTER WINS USDLR3.9 MIL CONTRACT

11/TI/23 (Item 23 from file: 583)
DIALOG(R)File 583:(c) 2002 The Gale Group. All rts. reserv.

K **MART** PREDICTS RECORD EARNINGS
US - K **MART** PREDICTS RECORD EARNINGS

11/TI/24 (Item 24 from file: 583)
DIALOG(R)File 583:(c) 2002 The Gale Group. All rts. reserv.

RESTRUCTURING AT COOP IN NORMANDIE
FRANCE - RESTRUCTURING AT COOP IN NORMANDIE

11/TI/25 (Item 1 from file: 2)
DIALOG(R)File 2:(c) 2003 Institution of Electrical Engineers. All rts. reserv.

Title: Clean slate [year 2000 compliance]

11/TI/26 (Item 2 from file: 2)
DIALOG(R)File 2:(c) 2003 Institution of Electrical Engineers. All rts. reserv.

Title: What happens when the lights go out? K mart **seeks absolute reliability of electronic operations**

11/TI/27 (Item 3 from file: 2)
DIALOG(R)File 2:(c) 2003 Institution of Electrical Engineers. All rts. reserv.

Title: Wal - Mart **takes Unix plunge**

11/TI/28 (Item 1 from file: 233)
DIALOG(R)File 233:(c) 2003 Info. Today Inc. All rts. reserv.

Quietly, private e-markets rule -- E-commerce driven by links **to known suppliers**

11/TI/29 (Item 2 from file: 233)

DIALOG(R)File 233:(c) 2003 Info. Today Inc. All rts. reserv.

Kmart moves to catch up on IT -- Big dollars to go for long-needed upgrades

11/TI/30 (Item 3 from file: 233)
DIALOG(R)File 233:(c) 2003 Info. Today Inc. All rts. reserv.

Extending the supply chain -- Supply chains **used to be exclusive affairs, the playthings of corporate giants who arm-twisted a few of their bigger...**

11/TI/31 (Item 4 from file: 233)
DIALOG(R)File 233:(c) 2003 Info. Today Inc. All rts. reserv.

Richard Simmons diet video now available on CD-ROM -- Home entertainment company explores ' interactive ' **market**

11/TI/32 (Item 5 from file: 233)
DIALOG(R)File 233:(c) 2003 Info. Today Inc. All rts. reserv.

QuikTrip saves miles of paperwork

11/TI/33 (Item 1 from file: 99)
DIALOG(R)File 99:(c) 2003 The HW Wilson Co. All rts. reserv.

Automation takes root at Dollar Tree

11/TI/34 (Item 1 from file: 94)
DIALOG(R)File 94:(c)2003 Japan Science and Tech Corp(JST). All rts. reserv.

Delivery Method of Mutual Supply System with Consideration Truck Capacities.

11/TI/35 (Item 2 from file: 94)
DIALOG(R)File 94:(c)2003 Japan Science and Tech Corp(JST). All rts. reserv.

Supply Chain **from the Point of Sale.**

11/TI/36 (Item 3 from file: 94)
DIALOG(R)File 94:(c)2003 Japan Science and Tech Corp(JST). All rts. reserv.

21st Century Logistics Strategy. The Mission of Logistics **in Supporting** Supply Chain Management **Innovation.**

11/TI/37 (Item 4 from file: 94)
DIALOG(R)File 94:(c)2003 Japan Science and Tech Corp(JST). All rts. reserv.

New generation management paradigm, being highlighted. Plant centric supply chain . Supply chain **and formation.**

11/TI/38 (Item 1 from file: 7)
DIALOG(R)File 7:(c) 2003 Inst for Sci Info. All rts. reserv.

TITLE: Information technology in the retail food industry

EKD July 29, 2003

11/3,K/1 (Item 1 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)
(c) 2002 The Gale Group. All rts. reserv.

09385349
Wal - Mart alarms suppliers with Net procurement plans
US: **WAL - MART** TO ADOPT ONLINE PRODUCT SOURCING
Independent (TI) 17 Oct 2000 p.17
Language: ENGLISH

Wal - Mart alarms suppliers with Net procurement plans
US: **WAL - MART** TO ADOPT ONLINE PRODUCT SOURCING

Wal - Mart , the US-based supermarketing giant, and owner of the UK supermarket Asda, has announced plans to establish a private internet site called Retail **Link** , to automate the group's global sourcing processes and reduce procurement costs. The new site will allow **Wal - Mart** to obtain a single quote for its requirements across different countries, which will in turn...

... out smaller companies and allow large companies to dominate. The Federation is also concerned that **Wal - Mart** 's dominance will allow it to force down prices which will also undermine smaller companies...

COMPANY: ATLAS COMMERCE; FEDERATION OF SMALL BUSINESSES; ASDA; **WAL - MART**

EVENT: General Management ServicesProduction **Management**

11/3,K/4 (Item 4 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)
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09327357
FitFlex industrial-parts franchise chain to go online
THAILAND: FITFLEX TO TREAD E-COMMERCE PATH
The Nation (XBO) 11 Jul 2000 ByteLine p.F2
Language: ENGLISH

Thai franchise-based industrial parts **convenience store network** FitFlex HQ Co (FitFlex) is set to make its entry into the e-commerce arena. Under the system, all FitFlex franchisees plus its suppliers will be **linked** to its headquarters via a business-to-business (B2B) system. SVOA will establish the infrastructure and applications aspects of the system. The plunge into e-commerce will allow FitFlex to **manage inventory** at its franchises more effectively.

11/3,K/5 (Item 5 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)
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09230340
To improve **supply chain management**
HONG KONG: STUDY TEAM FOR **SUPPLY CHAIN**
HK Economic Times (XKH) 26 Jan 2000 p.a13
Language: CHINESE

To improve **supply chain management**
HONG KONG: STUDY TEAM FOR **SUPPLY CHAIN**

... Productivity Council will organise a field study team to visit US model institutions such as **Wal - Mart** and Coca-Cola in March. The trip aims to further improve Hong Kong's **supply chain management** especially in the use of e-commerce and alliance. According to a study by HKPC, Hong Kong's **supply chain management** has reached world standard, but areas such as

the use of technology and alliance still can be improved. It advised companies to use electronic **supply chain** such as bar code, database management, Internet promotion. Companies could also **link** computers with suppliers through EDI which can speed up procurement and reduce stock cost. *...

COMPANY: **WAL - MART** ; COCA-COLA; HONG KONG PRODUCTIVITY COUNCIL

EVENT: International Economic RelationsProduction **Management**

11/3,K/6 (Item 6 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)
(c) 2002 The Gale Group. All rts. reserv.

09206630
UK: **WAL - MART** THREATENS CHANGE
UK: **WAL - MART** THREATENS CHANGE
Grocer 27 Nov 1999 p 12
Language: ENGLISH

UK: **WAL - MART** THREATENS CHANGE
UK: **WAL - MART** THREATENS CHANGE

Many suppliers fear the **Wal - Mart** way of business and experts believe there will have to be changes within the **supply chain** industry. **Wal - Mart** 's main emphasis is to keep costs down and is achieved by operating on an...

... sure key items are offered at rock bottom prices, while balancing margins on other items. **Wal - Mart** also uses the Retail **Link** system which is a huge intranet information system collecting a category of data by registering every sales transaction at every shop. The Retail **Link** allows a partnership between the buyer and seller to develop a single forecast over the Internet and is part of its Collaborative Planning Forecasting and Replenishment scheme of **managing** the **supply chain** . Asda will be using this approach by the beginning of the year 2000. Another initiative **Wal - Mart** uses is the "scan-based trading" which means the manufacturers only get paid for the...

...improve relationships with retailers if they want to be part of the huge opportunities that **Wal - Mart** promises.

COMPANY: **WAL - MART**

11/3,K/8 (Item 8 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)
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09194397
JV formed for **chain management , supplies**
THAILAND: NEW UNIT FOR THAI DMR RETAILING
The Nation (XBO) 03 Nov 1999 p.B2
Language: ENGLISH

JV formed for **chain management , supplies**

...in the year 2000. Meanwhile, Winstore has teamed up with seven companies in Thailand to **supply chain** store **management** or Efficient Consumer Response (ECR) management. Along with its partners, it will develop **supply chain management** facilities using Internet technology and **computerised** data processing. Targeted mainly at **convenience store** chains, its service will include online product ordering, product distribution and logistic management. It hopes...

...the service in the first quarter of 2000 and to serve at least 1,000 **convenience stores** in the first year. Winstore's partners in the chain store management venture are IBM...

...COMPANY: **LOGISTICS SUPPLY CHAIN** MGMT; LOXLEY INFORMATION SERVICE; IRIS-IFEC; THAI FARMERS BANK; BANK OF ASIA; DAVIDS DISTRIBUTION; ORACLE

11/3,K/9 (Item 9 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)

09183549
Suppliers set to **link** with global data powerhouse
UK/US: **WAL - MART** BRINGS RETAIL **LINK** TO THE UK
Grocer (GR) 23 Oct 1999 p.4
Language: ENGLISH

Suppliers set to **link** with global data powerhouse
UK/US: **WAL - MART** BRINGS RETAIL **LINK** TO THE UK

Wal - Mart , the US based supermarket giant that recently acquired the UK chain, Asda, has announced that it is to introduce Retail **Link** to the UK. Retail **Link** is its own Intranet information system that allows stores and grocery suppliers to access data...

... training programmes for its suppliers so that they can get the most out of Retail **Link** .

COMPANY: ASDA; **WAL - MART**

EVENT: General Management ServicesProduction **Management**

11/3,K/10 (Item 10 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)

09159209
Banks, **convenience stores** to jointly installATMs
JAPAN: ATMs TO BE SET UP IN **CONVENIENCE STORES**
Nikkei Net Interactive (ATM) 07 Sep 1999 NihonKeizai Shimbun p.1
Language: ENGLISH

Banks, **convenience stores** to jointly installATMs
JAPAN: ATMs TO BE SET UP IN **CONVENIENCE STORES**

Ten banks, five **convenience store** operators and 10 other firms in Japan will form a joint venture with a capital...

... 17 September 1999. The banks and stores will start installing automatic teller machines (ATMs) in **convenience stores** from October 1999. They intend to have 5,000 ATMs operating in **convenience stores** nationwide by spring 2001. Initial services will be limited mainly to deposit, withdrawal and balance...

... can transfer cash and transact other business using the machines. IBM Japan Ltd, which will **supply** the ATMs and **manage** the **network** , will put up 8% of the capital, and each participating **convenience store** and bank will contribute a stake of between 3.5% and 5%. The participating **convenience stores** are FamilyMart Co, **Circle K** Japan Co, Sunkus & Associates Inc, Ministop Co and Three F Co. Participating banks include Bank...

...COMPANY: SAKURA BANK; DAI-ICHI KANGYO BANK; BANK OF TOKYO-MITSUBISHI; THREE F; MINISTOP; SUNKUS & ASSOCIATES; **CIRCLE K** ; FAMILYMART; IBM

11/3,K/17 (Item 17 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)

06234623
Lotus store operator plans electronic investory, sales
THAILAND: **DISCOUNT STORE** OPERATOR TO **COMPUTERISE**
The Nation (XBO) 22 Nov 1995 P.B2
Language: ENGLISH

THAILAND: **DISCOUNT STORE** OPERATOR TO **COMPUTERISE**

Thailand-based Ek-Chai Distribution System Co Ltd, the operator of Lotus **discount stores**, has enlisted the assistance of Post System Information Co of the United States to carry out the **computerisation** of its **inventory management**, point-of-sales and merchandising activities. According to the Thai company, the move would enable...

11/3,K/20 (Item 20 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)

05984045
Les grandes surfaces en ligne directe avec leurs fournisseurs
FRANCE: EDI AND DISTRIBUTION
Les Echos (LE) 04 May 1994 p.20
Language: FRENCH

Although **Wal - Mart manages** most of is **supplies** by EDI (Electric Data Interchange), and nearly 5,000 British companies have adopted this system ...

... suppliers. Auchan adopted Allegro in 1990 and today more than 120 suppliers dialogue via this **network**. Certain suppliers nevertheless express reservations about EDI. None of them emphasize the pressure which suppliers...

11/3,K/21 (Item 21 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)

05981897
LES CONCURRENTS DE L'OFFICINE GAGNENT DU TERRAIN
FRANCE: STORES FOR HEALTH AND HYGIENE PRODUCTS
Cosmetique News (XMN) 11 Apr 1994 No186,p.49-50,52
Language: FRENCH

There are now around 200 **discount** "parapharmacie" **stores** which sell health and hygiene products in France. There are increasing numbers of pharmacists who...

...several months of operation. These failures are often due to problems of capital, installation, and **stock management**. Parapharmacies have uncertain profitability because of the necessary investment in products and furnishings. Marketing Office...

... not encourage "parapharmacies" to handle its products, but acknowledges that it cannot preserve the pharmacy **network** in a privileged way. Owners of "parapharmacies" often complain about the conditions which laboratories impose...

11/3,K/26 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC

03700319 INSPEC Abstract Number: D90002310
Title: What happens when the lights go out? K mart seeks absolute reliability of electronic operations
Journal: Chain Store Age Executive vol.66, no.5 p.208-10
Publication Date: May 1990 Country of Publication: USA
CODEN: COMLEF ISSN: 0193-1199
Language: English
Subfile: D

Title: What happens when the lights go out? K mart seeks absolute reliability of electronic operations
Abstract: The need for power protection is seen by **K mart** as particularly important at point-of-sale, where power loss can effectively cause all transactions...

... part of the new PRISM point-of-sale software system now being installed throughout the **K mart** chain. PRISM-which stands for Personal Computer Register Information System **Manager** -is an **inventory** control and price look-up package developed in conjunction with PSI, Wake Forest, NC. PRISM drives the 20-25 POS registers in each **K mart** store. Among the register models **K mart** uses are IBM 3683, IBM 4683, Fujitsu 8870, and NCR 7052. Uniformity of model is always maintained within any individual store. Registers are **linked** in the backroom by two IBM PC/AT computers. One serves as the PRISM register...
...Identifiers: **K mart** chain

11/3,K/27 (Item 3 from file: 2)
DIALOG(R)File 2:INSPEC

03681175 INSPEC Abstract Number: D90002077
Title: Wal - Mart **takes Unix plunge**
Author(s): McClatchy, W.; Garvey, M.
Journal: InformationWEEK no.267 p.14-15
Publication Date: 23 April 1990 Country of Publication: USA
CODEN: INFWE4 ISSN: 8750-6874
Language: English
Subfile: D

Title: Wal - Mart **takes Unix plunge**
Abstract: **Wal - Mart** Stores, the USA's third largest retailer, is about to install more than 1500 Unix workstations running state-of-the-art point-of-sale and **inventory - management** applications in its customer **discount stores** . The new hardware will track inventory, reorder depleted **stock** automatically while tipping **management** off to sales trends, perform payroll and personnel tasks, and control cash registers. Private satellite **links** will allow the workstations to update IBM mainframes at headquarters. Unix is a strategic platform that will allow **Wal - Mart** to expand and eventually to attain a nationwide **distributed** processing **network** .
Identifiers: **Wal - Mart** ; ...
... **inventory - management** ; ...

...nationwide **distributed** processing **network**

11/3,K/28 (Item 1 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.

00610895 00CW09-002

Quietly, private e-markets rule -- E-commerce driven by links to known suppliers
King, Julia
Computerworld , September 4, 2000 , v34 n36 p1, 16, 2 Page(s)
ISSN: 0010-4841

Quietly, private e-markets rule -- E-commerce driven by links to known suppliers
Says that tens of thousands of companies are opting for private digital exchanges to electronically **link** a deliberately reduced number of key suppliers. Remarks that eMarketer Inc., a New York-based...

... transacted through private or proprietary exchanges, many of which have generated huge and well-documented **supply - chain** efficiencies. Gives examples such as Bentonville, Arkansas-based **Wal - Mart** Stores, Inc. and Round Rock, Texas-based Dell Computer Corp. Suggests that some public business...

11/3,K/29 (Item 2 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.

00606783 00CWO7-402
Kmart moves to catch up on IT -- Big dollars to go for long-needed upgrades
Sliwa, Carol
Computerworld , July 31, 2000 , v34 n31 p1, 15, 2 Page(s)
ISSN: 0010-4841
Company Name: Kmart

... amounting to $670 million in a bid to catch up to retail IT systems leader **Wal - Mart** . Discusses the closure of 72 poorly performing stores, the acceleration of inventory reductions, and acceleration...

... business (B2B) collaboration, planning, forecasting and replenishment system; new system for buyers to track and **manage inventory** ; enlargement of two distribution centers; new sorting equipment; improvements to the distribution and logistics **network** . Includes a table. (MEM)

11/3,K/33 (Item 1 from file: 99)
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs

1998767 H.W. WILSON RECORD NUMBER: BAST99017341
Automation takes root at Dollar Tree
Material Handling Engineering v. 54 no2 (Feb. 1999) p. SCF12+
DOCUMENT TYPE: Feature Article ISSN: 0025-5262

ABSTRACT: Part of a special section on **supply chain** flow. To support a growth rate of 20 to 25 percent per annum, **Dollar** Tree **Stores** is transforming its **supply chain** flow operations and intends to have its entire distribution **network** automated by 2001. The underlying design philosophy is to keep the system simple. The operation...

DESCRIPTORS: **Dollar** Tree **Stores** Inc;

11/3,K/35 (Item 2 from file: 94)
DIALOG(R)File 94:JICST-EPlus

04455925 JICST ACCESSION NUMBER: 00A0092473 FILE SEGMENT: JICST-E
Supply Chain **from the Point of Sale.**

HAMADA TOORU (1)
(1) Sani
Rojisutikusu Shisutemu(Logistics Systems), 1999, VOL.8,NO.8, PAGE.45-48, FIG.4, TBL.2
JOURNAL NUMBER: Z0985BAA ISSN NO: 0918-6689
UNIVERSAL DECIMAL CLASSIFICATION: 658.86/.87 658.566+658.7
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Commentary
MEDIA TYPE: Printed Publication

Supply Chain **from the Point of Sale.**
DESCRIPTORS: **convenience store** ; ...

...information **network** ;
...BROADER DESCRIPTORS: **network** ;

11/3,K/36 (Item 3 from file: 94)
DIALOG(R)File 94:JICST-EPlus

04152896 JICST ACCESSION NUMBER: 99A0665985 FILE SEGMENT: JICST-E
21st Century Logistics Strategy. The Mission of Logistics **in Supporting** Supply Chain Management **Innovation.**
FUKUSHIMA YOSHIAKI (1)
(1) Nihombijinesukurieito
Rojisutikusu Shisutemu(Logistics Systems), 1999, VOL.8,NO.5, PAGE.15-19, FIG.6
JOURNAL NUMBER: Z0985BAA ISSN NO: 0918-6689
UNIVERSAL DECIMAL CLASSIFICATION: 658.86/.87
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Commentary
MEDIA TYPE: Printed Publication

21st Century Logistics Strategy. The Mission of Logistics **in Supporting** Supply Chain Management **Innovation.**
...DESCRIPTORS: **convenience store** ; ...

...transportation **network** ;
...BROADER DESCRIPTORS: **network** ; ...
...computer **network** ; ...

...communication **network** ; ...

...information **network**

11/3,K/37 (Item 4 from file: 94)
DIALOG(R)File 94:JICST-EPlus

03970324 JICST ACCESSION NUMBER: 99A0143182 FILE SEGMENT: JICST-E
New generation management paradigm, being highlighted. Plant centric supply chain . Supply chain **and formation.**
KOMATSU SHOUEI (1)
(1) Nagoya Univ. of Commer. and Bus. Adm.
Kagaku Sochi(Plant and Process), 1999, VOL.41,NO.1, PAGE.27-34, FIG.4, TBL.3, REF.21
JOURNAL NUMBER: G0109AAO ISSN NO: 0368-4849 CODEN: KASOB
UNIVERSAL DECIMAL CLASSIFICATION: 658.5 658.8
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Commentary
MEDIA TYPE: Printed Publication

New generation management paradigm, being highlighted. Plant centric supply chain . Supply chain and formation.

ABSTRACT: **Supply chain** (SC) from raw materials and materials to product customers was formed. With spread of **convenience stores** and point of sales information system (POS) in parallel, real-time marketing was realized. Planning...

...operations(CALS) improves operation by digitization,automation, and integration of information on procurement and operation. **Virtual** company is **linked** with another company by **network** , and information moves between the two for mutual corporation. **Supply chain management** permits to minimize throughput, and control risks in inferior inventory and supply various goods in...

...DESCRIPTORS: **network** ;

11/3,K/38 (Item 1 from file: 7)

DIALOG(R)File 7:Social SciSearch(R)

03452618 GENUINE ARTICLE#: 299FD NO. REFERENCES: 21

TITLE: Information technology in the retail food industry

AUTHOR(S): Kinsey J (REPRINT); Ashman S

CORPORATE SOURCE: UNIV MINNESOTA,RETAIL FOOD IND CTR, DEPT APPL ECON, 317 CLASSROOM OFF BLDG/ST PAUL//MN/55108 (REPRINT)

JOURNAL: TECHNOLOGY IN SOCIETY, 2000, V22, N1 (JAN), P83-96

PUBLISHER: PERGAMON-ELSEVIER SCIENCE LTD, THE BOULEVARD, LANGFORD LANE, KIDLINGTON, OXFORD OX5 1GB, ENGLAND

LANGUAGE: English DOCUMENT TYPE: Article

(ABSTRACT AVAILABLE)

...ABSTRACT: and the Internet. The retail food industry, defined for purposes of this article as the **supply chain** for the grocery business, has been forced to adopt new technology and increase efficiency, but...

...their suppliers. Food retailers have been holding, but underutilizing, the key to efficiency in this **supply chain** -data collected by their check-out scanners every day. This article reviews a short history...

...there is always a steady demand for food, and a retail outlet is required in **virtually** every town and neighborhood, those who supply food have not felt a great need to...

...new and creative ways. There is a long cycle starting with independent, small town or **neighborhood** grocery **stores** that carried customers' credit accounts and delivered food to their homes, to cash and carry...

...can purchase on credit and have food delivered to their homes.

Innovation in the food **supply chain** happens at every level and in auxiliary industries. This **supply chain** starts with seeds that ore planted to produce the basic foodstuffs for human and animal...

...and/or retailers who deal directly with final consumers. At the front end of this **supply chain** the recent introduction of genetically modified seeds stands to revolutionize the basic properties of food...

...from fast food places and food-away-from-home outlets, and the 1962 arrival of **Wal - Mart** , the mighty competitor who is fully capable of realizing all the **supply chain** efficiencies of a well managed, customer-centric information system.

16/TI/1 (Item 1 from file: 583)
DIALOG(R)File 583:(c) 2002 The Gale Group. All rts. reserv.

Management areas benefit from IT
UK: ON-LINE SUPPLY CHAIN TOOL HELPS SAFEWAY

16/TI/2 (Item 2 from file: 583)
DIALOG(R)File 583:(c) 2002 The Gale Group. All rts. reserv.

Distribution Services 5: Operators keep their cool
UK - TEMPERATURE-CONTROLLED DISTRIBUTION SERVICES PROFILED

16/TI/3 (Item 1 from file: 2)
DIALOG(R)File 2:(c) 2003 Institution of Electrical Engineers. All rts. reserv.

Title: Information sharing in global supply chain systems

16/TI/4 (Item 2 from file: 2)
DIALOG(R)File 2:(c) 2003 Institution of Electrical Engineers. All rts. reserv.

Title: XML-based EAI: revolution, not evolution

16/TI/5 (Item 3 from file: 2)
DIALOG(R)File 2:(c) 2003 Institution of Electrical Engineers. All rts. reserv.

Title: Evaluating information sharing strategies in supply chains

16/TI/6 (Item 4 from file: 2)
DIALOG(R)File 2:(c) 2003 Institution of Electrical Engineers. All rts. reserv.

Title: Knowledge networking in supply chains : a case study in the wood/furniture sector

16/TI/7 (Item 5 from file: 2)
DIALOG(R)File 2:(c) 2003 Institution of Electrical Engineers. All rts. reserv.

Title: Customer linking : A Motorola/Du Pont Photomasks supply chain assessment

16/TI/8 (Item 6 from file: 2)
DIALOG(R)File 2:(c) 2003 Institution of Electrical Engineers. All rts. reserv.

Title: Methodology for simulation application to virtual manufacturing environments

16/TI/9 (Item 7 from file: 2)
DIALOG(R)File 2:(c) 2003 Institution of Electrical Engineers. All rts. reserv.

Title: Delivering the goods (distribution methods)

16/TI/10 (Item 8 from file: 2)
DIALOG(R)File 2:(c) 2003 Institution of Electrical Engineers. All rts. reserv.

Title: SONET add/drop multiplex equipment administration using the TIRKS provisioning system

16/TI/11 (Item 1 from file: 233)
DIALOG(R)File 233:(c) 2003 Info. Today Inc. All rts. reserv.

What's good for the Web is good for GM -- GM' supply - chain network is driving the company's success in the booming business-to-business market

16/TI/12 (Item 2 from file: 233)
DIALOG(R)File 233:(c) 2003 Info. Today Inc. All rts. reserv.

Niche player a standout among shipping titans -- Freight forwarder Danzas AEI mixes Web and legacy apps to deliver what customers want

16/TI/13 (Item 3 from file: 233)
DIALOG(R)File 233:(c) 2003 Info. Today Inc. All rts. reserv.

Securing Y2K supply chain

16/TI/14 (Item 1 from file: 99)
DIALOG(R)File 99:(c) 2003 The HW Wilson Co. All rts. reserv.

Tightening links **in the** supply chain

16/TI/15 (Item 1 from file: 8)
DIALOG(R)File 8:(c) 2003 Elsevier Eng. Info. Inc. All rts. reserv.

Title: Synchronize supply chains by Internet

16/TI/16 (Item 2 from file: 8)
DIALOG(R)File 8:(c) 2003 Elsevier Eng. Info. Inc. All rts. reserv.

Title: Plant instruments that can take care of themselves

16/TI/17 (Item 3 from file: 8)
DIALOG(R)File 8:(c) 2003 Elsevier Eng. Info. Inc. All rts. reserv.

Title: Navigating networks

16/TI/18 (Item 4 from file: 8)
DIALOG(R)File 8:(c) 2003 Elsevier Eng. Info. Inc. All rts. reserv.

Title: Concurrent engineering and the virtual **factory: developing products with** supply chains

16/TI/19 (Item 5 from file: 8)
DIALOG(R)File 8:(c) 2003 Elsevier Eng. Info. Inc. All rts. reserv.

Title: Customer linking **: A Motorola/Du Pont Photomasks** supply chain **assessment**

16/TI/20 (Item 1 from file: 6)
DIALOG(R)File 6:(c) 2003 NTIS, Intl Cpyrght All Rights Res. All rts. reserv.

Information Exchange in the Supply Chain
(Technical rept)

16/TI/21 (Item 1 from file: 34)
DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts. reserv.

Title: Performance measurement and design in supply chains

16/3,K/1 (Item 1 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)

06638845
Management areas benefit from IT
UK: ON-LINE SUPPLY CHAIN TOOL HELPS SAFEWAY
Motor Transport (MOT) 28 May 1998 MT Logisticasupp. p.2
Language: ENGLISH

... strategy. The on-line information exchange system, which is PC based with a graphical user **interface** , enables Safeway's **suppliers** to access selected data concerning their products, although Safeway is responsible for restricting access and...

... order to act on customer demand for products even more quickly, Safeway is hoping to **link** 70% of its **supply chain management** to the system by March 1999, and will increase the 15 current suppliers linked to...

16/3,K/3 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC

7324368 INSPEC Abstract Number: C2002-08-7160-047
Title: Information sharing in global supply chain systems
Author(s): Shore, B.
Author Affiliation: New Hampshire Univ., Durham, NH, USA
Journal: Journal of Global Information Technology Management (JGITM) vol.4, no.3 p.27-50
Publisher: Ivy League Publishing,
Publication Date: 2001 Country of Publication: USA
CODEN: JGIMFK ISSN: 1097-198X
SICI: 1097-198X(2001)4:3L.27:ISGS;1-K
Material Identity Number: H207-2002-003
Language: English
Subfile: C

...Abstract: sharing of a wide range of data. But the challenge, both technically and socially, to **share** information increases when customers and **suppliers** are spread throughout the geographic regions of the world. It is this challenge that is...

... size, IT infrastructure, and country IT support. The results are generalized and summarized in a **supply chain** IT **linkage** capability model. Case studies of four organizations are presented and analyzed to validate the role...
...Identifiers: **supply chain** IT **linkage** capability model

16/3,K/4 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC

7118305 INSPEC Abstract Number: C2002-01-7480-081
Title: XML-based EAI: revolution, not evolution
Author(s): Gifford, C.H.
Author Affiliation: Open Control Lab., Control.com Inc., Westborough, MA, USA
Journal: InTech vol.48, no.11 p.43-7
Publisher: ISA,
Publication Date: Nov. 2001 Country of Publication: USA
CODEN: INTCDD ISSN: 0192-303X
SICI: 0192-303X(200111)48:11L.43:BRE;1-P
Material Identity Number: J870-2001-012

Language: English
Subfile: C

...Abstract: A2F) enterprise application integration (EAI) is a key component when migrating to a truly interconnected **supply chain** that **links** raw material and product suppliers to the customer. Yet to date, supply-chain applications and...

... customer order fulfillment. In 2001, most enterprise resource planning (ERP) and advanced planning and scheduling **vendors interfaced** into plant-side systems, many using EAI tools such as manufacturing execution systems (MES) to...

16/3,K/5 (Item 3 from file: 2)
DIALOG(R)File 2:INSPEC

6794945 INSPEC Abstract Number: C2001-02-7160-004
Title: Evaluating information sharing strategies in supply chains
Author(s): Li, J.; Shaw, M.J.; Tan, G.W.
Author Affiliation: Dept. of Bus. Adm., Illinois Univ., Urbana, IL, USA
Conference Title: Proceedings of the 8th European Conference on Information Systems Part vol.1 p.437-44 vol.1
Editor(s): Hansen, H.R.; Bichler, M.; Mahrer, H.
Publisher: Vienna Univ. Econ. & Bus. Adm, Vienna, Austria
Publication Date: 2000 Country of Publication: Austria 2 vol. xvii+1450 pp.
Material Identity Number: XX-2000-01612
Conference Title: Proceedings of ECIS 2000: 8th European Conference on Information Systems
Conference Date: 3-5 July 2000 Conference Location: Vienna, Austria
Language: English
Subfile: C

...Abstract: find that a hybrid information-sharing strategy, which uses demand information sharing in the distribution **network** of the **supply chain** while using **inventory** information **sharing** in the **supplier network** , is the ideal strategy to improve supply chain performance when the demand mix is volatile.

16/3,K/6 (Item 4 from file: 2)
DIALOG(R)File 2:INSPEC

6562285 INSPEC Abstract Number: C2000-05-7160-036
Title: Knowledge networking **in** supply chains **: a case study in the wood/furniture sector**
Author(s): Apostolou, D.; Sakkas, N.; Mentzas, G.
Author Affiliation: Dept. of Electr. & Comput. Eng., Nat. Tech. Univ. of Athens, Greece
Journal: Information.Knowledge.Systems Management vol.1, no.3-4 p. 267-81
Publisher: IOS Press,
Publication Date: Autumn-Winter 1999 Country of Publication: Netherlands
CODEN: IKSMFJ ISSN: 1389-1995
SICI: 1389-1995(199923/24)1:3/4L.267:KNSC;1-8
Material Identity Number: H366-2000-001
U.S. Copyright Clearance Center Code: 1389-1995/99/$8.00
Language: English
Subfile: C

Title: Knowledge networking **in** supply chains **: a case study in the wood/furniture sector**
...Abstract: concept externally: they explore new ways to put enterprise knowledge in the hands of customers, **suppliers** , and partners and **share** with them their intellectual capital. This study examines how Internet-based, **networked** infrastructures can support **supply chain** entity participation in emerging knowledge markets. WIT, a software toolset developed to facilitate knowledge sharing...

16/3,K/7 (Item 5 from file: 2)
DIALOG(R)File 2:INSPEC

5255958 INSPEC Abstract Number: B9606-0170E-041
Title: Customer linking **: A Motorola/Du Pont Photomasks** supply chain **assessment**
Author(s): Abercrombie, D.A.; Jacob, R.; Meredorf, R.; Warner, J.; Murthy, S.W.
Author Affiliation: Motorola Inc., Austin, TX, USA
Conference Title: IEEE/SEMI 1995 Advanced Semiconductor Manufacturing Conference and Workshop. Theme - Semiconductor Manufacturing: Economic Solutions for the 21st Century. ASMC `95 Proceedings (Cat. No.95CH35811) p.297-301
Publisher: IEEE, New York, NY, USA
Publication Date: 1995 Country of Publication: USA 391 pp.
ISBN: 0 7803 2713 6 Material Identity Number: XX95-02840
U.S. Copyright Clearance Center Code: 0 7803 2713 6/95/$3.00
Conference Title: Proceedings of SEMI Advanced Semiconductor Manufacturing Conference and Workshop
Conference Sponsor: Semicond. Equipment & Mater. Int.; IEEE; IEEE Electron. Devices Soc.; IEEE Components, Packaging & Manuf. Technol. Soc
Conference Date: 13-15 Nov. 1995 Conference Location: Cambridge, MA, USA
Language: English
Subfile: B

Title: Customer linking **: A Motorola/Du Pont Photomasks** supply chain **assessment**
Abstract: Customer **Linking** , also known as **Supply Chain** Assessment, provides the opportunity to evaluate the entire supply chain, from the customer`s needs...

...understand what opportunities exist, it is key to look "outside the box" at each customer/ **supplier interface** throughout the entire chain. For example, Du Pont Photomasks and Motorola are both suppliers and...
...Identifiers: customer/ **supplier interface** ;

16/3,K/9 (Item 7 from file: 2)
DIALOG(R)File 2:INSPEC

03973909 INSPEC Abstract Number: D91002398
Title: Delivering the goods (distribution methods)
Author(s): MacLeod, M.
Journal: Business Solutions no.9 p.13-15
Publication Date: Summer 1991 Country of Publication: UK
CODEN: BSOLE8
Language: English
Subfile: D

...Abstract: distribution methods for the goods have evolved to keep pace. Distribution is going towards total **supply chain management** -with **computerisation** helping to ensure that the order meets the

production demand of a factory, the stockholding...

...wholesaler, retailer or production plants. This may be handled in-house, or by using a **shared** -use third party service **suppliers** , which runs a warehouse and/or fleet of road vehicles for a number of customers...

16/3,K/10 (Item 8 from file: 2)
DIALOG(R)File 2:INSPEC

03753363 INSPEC Abstract Number: B90071998, C90072910
Title: SONET add/drop multiplex equipment administration using the TIRKS provisioning system
Author(s): Bailey, D.E.
Author Affiliation: Bellcore, Piscataway, NJ, USA
Conference Title: GLOBECOM '89. IEEE Global Telecommunications Conference and Exhibition. Communications Technology for the 1990s and Beyond (Cat. No.89CH2682-3) p.1511-15 vol.3
Publisher: IEEE, New York, NY, USA
Publication Date: 1989 Country of Publication: USA 3 vol. xxxii+1975 pp.
U.S. Copyright Clearance Center Code: CH2682-3/89/0000-1511$01.00
Conference Sponsor: IEEE
Conference Date: 27-30 Nov. 1989 Conference Location: Dallas, TX, USA
Language: English
Subfile: B C

...Abstract: Bellcore's TIRKS system and FEPS (facilities and equipment planning system) carrier administration. Planners and **inventory managers** determine how SONET (synchronous optical **network**) equipment is to be planned, inventoried, and assigned. The process of assigning and connecting carrier...

... systems like OPS/INE (operations/intelligent network element) with all of the input necessary to **interface** with **vendor** intelligent network elements like a programmable ADM (add/drop multiple equipment).

16/3,K/11 (Item 1 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.

00606259 00NW07-006
What's good for the Web is good for GM -- GM' supply - chain network is driving the company's success in the booming business-to-business market
Joch, Alan
Network Magazine Incorporating Data Communications , July 1, 2000 , v15 n7 p72-76, 4 Page(s)
ISSN: 1093-8001
Company Name: General Motors

What's good for the Web is good for GM -- GM' supply - chain network is driving the company's success in the booming business-to-business market
Describes the electronic **supply - chain network** of Warren, MI-based automobile manufacturer General Motors. Cites the challenge of cutting millions of...

...parts manufacturers when telephone calls, faxes, and hard-copy proposals were the main vehicles for **communicating** manufacturers' needs and **suppliers** ' quotes. Explains that GM and partner Commerce One built a Web-based business-to-business...

16/3,K/14 (Item 1 from file: 99)
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs

2559368 H.W. WILSON RECORD NUMBER: BAST98015777
Tightening links **in the** supply chain
Birch, Stuart;
Automotive Engineering International v. 106 (Feb. 1998) p. 80+
DOCUMENT TYPE: Feature Article

Tightening links **in the** supply chain

...ABSTRACT: employ new forms of communication to maintain their competitive positions in the just-in-time **supply chain** . Adopting a common EDI **network** for the industry would greatly facilitate this communication. An example is given of how EDI **communications** between an OEM and a **supplier** operates.

16/3,K/15 (Item 1 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

05794608 E.I. No: EIP01025547317
Title: Synchronize supply chains by Internet
Author: Davis, Linda
Source: Manufacturing Computer Solutions v 7 n 1 Jan 2001. p 44-45
Publication Year: 2001
CODEN: MCSOFD ISSN: 1358-1066
Language: English

...Abstract: solution for survival in the manufacturing arena. The Internet based companies provide a path of **communication** between partners, **suppliers** , manufacturers, retailers and customers. Collaboration across the supply chain and direct delivery to the customer ...
Identifiers: **Supply chain** synchronization; **Networked supply chains**

16/3,K/16 (Item 2 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

05688795 E.I. No: EIP00105377545
Title: Plant instruments that can take care of themselves
Author: Capone, Joe; Coppler, Mark
Corporate Source: AMETEK P&AI Div, Pittsburgh, PA, USA
Conference Title: ISA EXPO/2000 Technical Conference
Conference Location: New Orleans, LA, USA Conference Date: 19000821-19000824
E.I. Conference No.: 57462
Source: ISA TECH/EXPO Technology Update Conference Proceedings v 403 2000. p 85-88
Publication Year: 2000
CODEN: ITUPFX ISSN: 1054-0032
Language: English

...Abstract: service is required, when parts need replaced, or when hardware needs to be upgraded. The **supplier** can then **notify** plant personnel of the status of equipment and if action is required. The process operator...
Identifiers: Ethernet **networking** ; **Supply chain management**

16/3,K/18 (Item 4 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

04640524 E.I. No: EIP97033560734
Title: Concurrent engineering and the virtual **factory: developing products with** supply chains
Author: Shina, Sammy G.; Saigal, Anil
Corporate Source: Univ of Massachusetts Lowell, Lowell, MA, USA
Conference Title: Proceedings of the 1996 ASME International Mechanical Engineering Congress and Exposition
Conference Location: Atlanta, GA, USA Conference Date: 19961117-19961122
E.I. Conference No.: 45867
Source: Design for Manufacturing and Assembly American Society of Mechanical Engineers, Design Engineering Division (Publication) DE v 89 1996. ASME, New York, NY, USA. p 47-55
Publication Year: 1996
CODEN: AMEDEH
Language: English

Title: Concurrent engineering and the virtual **factory: developing products with** supply chains
...Abstract: identified and a set of tools and metrics is proposed to address issues of manufacturing **supplier** selection, **communication** , cost, quality, and capability in the new product development cycle. Methodologies and tools discussed include...
Identifiers: **Virtual** factory; **Supply chains** ; Product development

16/3,K/19 (Item 5 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

04346447 E.I. No: EIP96023025445
Title: Customer linking **: A Motorola/Du Pont Photomasks** supply chain **assessment**
Author: Abererombie, David A.; Jacob, Raju; Mertesdorf, Ralph; Warner, Jeff; Murphy, Scott W.
Corporate Source: Motorola Inc, Austin, TX, USA
Conference Title: Proceedings of the 1995 6th Annual SEMI/IEEE Advanced Semiconductor Manufacturing Conference and Workshop (ASMC)
Conference Location: Cambridge, MA, USA Conference Date: 19951113-19951115
E.I. Conference No.: 44306
Source: IEEE/SEMI Advanced Semiconductor Manufacturing Conference and Workshop 1995. IEEE, Piscataway, NJ, USA,95CB35811. p 297-301
Publication Year: 1995
CODEN: IASPFQ
Language: English

Title: Customer linking **: A Motorola/Du Pont Photomasks** supply chain **assessment**
Abstract: Customer **Linking** , also known as **Supply Chain** Assessment, provides the opportunity to evaluate the entire supply chain, from the customer's needs...

...understand what opportunities exist, it is key to look ?outside the box' at each customer/ **supplier interface** throughout the entire chain. For example, Du Pont Photomasks and Motorola are both suppliers and...

16/3,K/20 (Item 1 from file: 6)
DIALOG(R)File 6:NTIS

1971106 NTIS Accession Number: AD-A310 941/0
Information Exchange in the Supply Chain
(Technical rept)

Swaminathan, J. M. ; Sadeh, N. M. ; Smith, S. F.
Carnegie-Mellon Univ., Pittsburgh, PA. Robotics Inst.
Corp. Source Codes: 005343035; 412463
Report No.: CMU-RI-TR-95-36
Oct 95 38p
Languages: English
Journal Announcement: GRAI9622
Document partially illegible. Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.
NTIS Prices: PC A04/MF A01

... to provide quick response to customer needs. In this paper, we study the influence of **sharing** **supplier** capacity information (such as available-to-promise (ATP) on the performance of a supply chain...

... find at when supplier adoption costs of the information system are negligible, the more expensive **supplier** makes less profits under information **sharing** . However, it is forced to share information. When adoption costs are substantial, our results indicate...
...Descriptors: Economics); Scenarios; Simulation; Optimization; Stochastic processes; Policies; Information systems; Capacity(Quantity); Costs; Availability; Sharing; Response; **Chains** ; **Inventory** ; Data **links**

16/3,K/21 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

09424553 Genuine Article#: 403GR No. References: 17
Title: Performance measurement and design in supply chains
Author(s): Baiman S (REPRINT) ; Fischer PE; Rajan MV
Corporate Source: Univ Penn,Wharton Sch,Philadelphia//PA/19104 (REPRINT); Univ Penn,Wharton Sch,Philadelphia//PA/19104; Penn State Univ,Smeal Coll Business,University Pk//PA/16804
Journal: MANAGEMENT SCIENCE, 2001, V47, N1 (JAN), P173-188
ISSN: 0025-1909 Publication date: 20010100
Publisher: INST OPERATIONS RESEARCH MANAGEMENT SCIENCES, 901 ELKRIDGE LANDING RD, STE 400, LINTHICUM HTS, MD 21090-2909 USA
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

...Abstract: supply-chain efficiency. We model the contracting relationship between a supplier and a buyer. The **supplier** is privately **informed** about the outcome of his design/production investment. The buyer both appraises the supplier's...

STN - Conference Papers Index

L1	181	S	(SUPPLY? OR INVENTORY OR INVENTORIES OR STOCK)(3N)(CHAIN# OR
L2	352	S	VENDOR? OR SUPPLIER? OR DEALER# OR DISTRIBUTOR? OR WHOLESALER
L3	17498	S	SHARE? OR SHARING OR NOTIFI? OR NOTIFY? OR APPRIS? OR COLLABO
L4	25	S	(CONVENIENCE OR C OR DISCOUNT OR DOLLAR OR NEIGHBORHOOD)(2W)(
L5	0	S	L1 AND (L2 OR L3 OR L4)
L6	21	S	(SUPPLY OR INVENTORY OR STOCK) AND (L2 OR L3 OR L4)
L7	0	S	L2 AND L3 AND L4
L8	0	S	(L2 OR L3) AND L4
L9	15	S	L2 AND L3

EKD 07/29/2003

STN - Conference Papers Index

L6 ANSWER 1 OF 21 CONFSCI COPYRIGHT 2003 CSA on STN
AN 2003:21594 CONFSCI
DN 03-021594
TI Development and **sharing** of life cycle **inventory** data among Asian countries conducted by AIST/JEMAI of Japan
AU Sagisaka, M.; Inaba, A.
CS Natl. Inst. Advanced Industrial Sci. and Technology (AIST)
SO Sakurada Dori Bldg., 7F, 1-2-10 Toranomon, Minato-ku. Tokyo, 105-0001, Japan; phone: 81 3 3503 4681; fax: 81 3 3597 0535; email: iceb@sntt.or.jp; URL: www.sntt.or.jp. Paper No. S1-07.
Meeting Info.: 000 6608: 5th International Conference on EcoBalance (0006608). Tsukuba (Japan). 6-8 Nov 2002. Society of Non-Traditional Technology ECOMATERIALS Forum, Agriculture, Forestry and Fisheries Technical Info. Society, Japan Environmental Management Assoc. for Industry, Center for Environmental Information Science.
DT Conference
FS DCCP
LA English
CC 4300 ENVIRONMENTAL SCIENCE; 2000 BIOLOGY GENERAL

L6 ANSWER 2 OF 21 CONFSCI COPYRIGHT 2003 CSA on STN
AN 2003:12287 CONFSCI
DN 03-012287
TI Use of remote set for **stock** enhancement and evaluation of oysters in North Carolina: A **collaborative** effort between researchers and commercial growers
AU Alphin, T.; Posey, M.; Wilbur, A.; Swartzenberg, J.
CS Univ. North Carolina at Wilmington, Cent. for Marine Sci., 5600 Marvin K. Moss Lane, Wilmington, NC 28409, USA
SO SC Sea Grant Consortium, phone: (843) 727-2078; email: Elaine.Knight@scseagrant.org; URL: www.scseagrant.org/icsr.htm.
Meeting Info.: 000 6504: 6th International Conference on Shellfish Restoration (0006504). Charleston, SC (USA). 20-24 Nov 2002. S.C. Sea Grant Consortium, NOAA, NMFS Restoration Center, NOAA/Sea Grant Oyster Disease Research Program, NOAA Coastal Services Center, NOAA National Ocean Service - CCEHBR, Environment Canada, Department of Fisheries and Oceans.
DT Conference
FS DCCP
LA English
CC 1200 AQUATIC SCIENCE; 2000 BIOLOGY GENERAL

L6 ANSWER 3 OF 21 CONFSCI COPYRIGHT 2003 CSA on STN
AN 2002:63472 CONFSCI
DN 02-063472
TI Rice **Inventory** Data Update Procedure Based on Remote Sensed Images: A User **Interface** Improvement Perspective
AU Liao, H.-P.; Hong, J.-H.
SO Canadian Institute of Geomatics, 1390 Prince of Wales Drive, Suite 400, Ottawa, ON, Canada; phone: 613-224-9851; fax: 613-224-9577; email: exdircig@netrover.com; URL: www.geomatics2002.org.
Meeting Info.: 000 6085: Joint International Symposium on Geospatial, Theory, Processing and Applications (0006085). Ottowa (Canada). 8-12 Jul 2002. Canadian Institute of Geomatics, ISPRS, Natural Resource Canada, International Geographical Union.
DT Conference
FS DCCP
LA English
CC 5500 GEOSCIENCE

EKD 07/29/2003

L6 ANSWER 4 OF 21 CONFSCI COPYRIGHT 2003 CSA on STN
AN 2000:34710 CONFSCI
DN 00-031581
TI Tobacco **stock** divestment and other **shareholder** actions: Legal standards discussed
AU Ashe, A.M.; Zellers, L.K.
SO American Public Health Association (APHA), P.O. Box 753, Waldorf, MD 20604-0753, USA; phone: 202-777-2742; email: carroll.lewis@apha.org; URL: www.apha.org/convention/fusion99/index.htm, Abstracts available. Contact APHA for price..
Meeting Info.: 994 0058: 127th Annual Meeting of the American Public Health Association (9940058). Chicago, IL (USA). 7-11 Nov 1999. APHA, Healthy People Consortium, Partnerships for Networked Consumer Health Information.
DT Conference
FS DCCP
LA English
CC 7000 MULTIDISCIPLINARY

L6 ANSWER 5 OF 21 CONFSCI COPYRIGHT 2003 CSA on STN
AN 2000:15617 CONFSCI
DN 00-012488
TI Management of water resource/water **supply** information: Options for rural water **suppliers**
AU Garrett, C.
SO Arizona Hydrological Society (AZHS), 240 North Court Avenue, Tucson, AZ, USA; phone: 520-882-8177; email: planink@azstarnet.com, Contact AZHS for availability and price..
Meeting Info.: 993 5060: Water Issues and Partnerships for Rural Arizona (9935060). Tucson, AZ (USA). 8-11 Sep 1999. Arizona Hydrological Society.
DT Conference
FS DCCP
LA English
CC 1200 AQUATIC SCIENCE

L6 ANSWER 6 OF 21 CONFSCI COPYRIGHT 2003 CSA on STN
AN 1999:22016 CONFSCI
DN 99-034510
TI Cultural sensitivity of the family caregiving **inventory** in identifying the need for **informal** and formal support resources
AU Waters, C.M.; Stewart, B.; Archbold, P.; Miller, F.; Li, H.
SO American Public Health Association (APHA), 1015 15th Street, N.W., Washington, DC 20005-2605, USA; phone: (202) 789-5600; fax: (202) 789-5661; email: commentspha.org; URL: www.apha.org, Abstracts available. Contact APHA for price..
Meeting Info.: 984 0224: 126th Annual Meeting of the American Public Health Association (9840224). Washington, DC (USA). 15-19 Nov 1998. American Public Health Association.
DT Conference
FS DCCP
LA English
CC 7000 MULTIDISCIPLINARY

L6 ANSWER 7 OF 21 CONFSCI COPYRIGHT 2003 CSA on STN
AN 1998:76405 CONFSCI
DN 99-007262
TI Frameworks and **communications** perspectives in tackling the climate change challenge for energy **supply**

STN - Conference Papers Index

AU Lenstra, W.J.; Van Engelenburg, B.C.W.
SO IEA Greenhouse Gas R & D Programme, CRE Group Ltd., Stoke Orchard, Cheltenham Glos. GL52 4RZ, United Kingdom; phone: 44-1242-680 753; fax: 44-1242-680 758; URL: http://www.ieagreen.org.uk/ghgt4.htm, Full papers available. Contact IEA for price. Paper No. POL-13.
Meeting Info.: 983 0898: 4th International Conference on Greenhouse Gas Control Technologies (9830898). Interlaken (Switzerland). 30 Aug - 2 Sep 1998. ABB Ltd., Swiss Federal Institute Technologies, Paul Scherre Institute, IEA Greenhouse Gas R & D Programme, US Dept. of Energy, Swiss Federal Office of Energy, Norsk Hydro, British Petroleum plc, RITE, SAIC, Saudi Aramco, Siemens.
DT Conference
FS DCCP
LA English
CC 4300 ENVIRONMENTAL SCIENCE

L6 ANSWER 8 OF 21 CONFSCI COPYRIGHT 2003 CSA on STN
AN 95:72155 CONFSCI
DN 96-000714
TI **Inventory** of personal **communication** skills by Animal Science students
AU Aaron, D.K.
CS Univ. Kentucky, Lexington, KY, USA
SO American Society for Animal Science, 1111 North Dunlap Ave., Savoy, IL 61874, Abstracts available. Price $10..
Meeting Info.: 953 0045: 87th Annual Meeeting of the American Society for Animal Science (9530045). Orlando, FL (USA). 25-28 Jul 1995. American Society for Animal Science.
DT Conference
FS DCCP
LA English
CC 1000 ANIMAL AND PLANT SCIENCE; 2000 BIOLOGY GENERAL

L6 ANSWER 9 OF 21 CONFSCI COPYRIGHT 2003 CSA on STN
AN 91:54963 CONFSCI
DN 92023405
TI CZE/sector-MS **interface** using a LC-Frit-FAB-probe combined with coaxial FAB-matrix **supply**
AU de Jong, A.P.J.M.; ten Hove, G.J.; van de Goor, A.A.A.M.; Evers, E.A.I.M.; Kootstra, P.R.; Leclercq, P.A.
SO Elsevier Science Publishers B.V. Netherlands, International Journal of Mass Spectrometry and Ion Processes, Advances in Mass Spectrometry 12, NL350.00 Poster Paper No. WeA-C27.
Meeting Info.: 913 0088: 12th International Mass Spectrometry Conference (9130088). Amsterdam (Netherlands). 26-30 Aug 1991. Royal Netherlands Academy of Arts and Sciences; Royal Netherlands Chemical Society; and Netherlands Physical Society.
DT Conference
FS DCCP
LA UNAVAILABLE
CC 2500 CHEMISTRY AND CHEMICAL ENGINEERING

L6 ANSWER 10 OF 21 CONFSCI COPYRIGHT 2003 CSA on STN
AN 88:82313 CONFSCI
DN 89059383
TI Cost containment strategy for purchasing and **inventory** control: Bid specifications or prime **vendor** decision support model
AU Vanderlinde, L.P.; Sclar, D.A.; Skaer, T.L.
CS St. Lukes Mem. Hosp., Spokane, WA

EKD 07/29/2003

STN - Conference Papers Index

SO ASHP, 4630 Montgomery Avenue, Bethesda, MD 20814 (USA).
Meeting Info.: 884 0722: American Society of Hospital Pharmacists, 23rd Annual Midyear Clinical Meeting (8840722). Dallas, TX (USA). 4-8 Dec 1988. American Society of Hospital Pharmacists (ASHP).
DT Conference
FS DCCP
LA UNAVAILABLE
CC 7500 PHARMACOLOGY

L6 ANSWER 11 OF 21 CONFSCI COPYRIGHT 2003 CSA on STN
AN 86:727 CONFSCI
DN 86024519
TI Electricity **supply** to microwave repeater **communication** stations with wind energy in Brazil
AU Sadhu, D.; Brito, R.; Pereira, E.; Dias, S.
CS Energy Group, PPGEEMM, Brazil
SO ETCE, P.O. Box 59489, Dallas, TX 75229 (USA).
Meeting Info.: 861 5002: Ninth Annual Energy Sources Technology Conference and Exhibition (8615002). New Orleans, LA (USA). 23-27 Feb 1986. American Society of Mechanical Engineers (ASME); American Institute of Petroleum Engineers (AIPE); American Society of Lubrication Engineers (ASLE); National Association of Corrosion Engineers (NACE); CMSE; IMechE; SPED.
DT Conference
FS DCCP
LA UNAVAILABLE
CC 8500 POWER ENGINEERING

L6 ANSWER 12 OF 21 CONFSCI COPYRIGHT 2003 CSA on STN
AN 85:13568 CONFSCI
DN 85020285
TI **Vendor**/user relationships -- the **supply** side
AU Davison, R.; Chandler, D.; Trybul, T.; Drummond, D.
CS Electron. Assoc. Inc.
SO Proceedings available: Contact the Society for Computer Simulation, P.O. Box 17900, San Diego, CA 92117, USA.
Meeting Info.: 851 5028: SCS Eastern Simulation Conferences (8515028). Norfolk, VA (USA). 3-8 Mar 85. Society for Computer Simulation (SCS).
DT Conference
FS DCCP
LA UNAVAILABLE
CC 6500 MATHEMATICS

L6 ANSWER 13 OF 21 CONFSCI COPYRIGHT 2003 CSA on STN
AN 84:2883 CONFSCI
DN 84012288
TI Implications for management and labor of employee **stock** ownership plans, profit **sharing**, and other plans changing the traditional employer-employee relationship
AU Pareti, H.J.
CS People Express Airlines, Inc.
SO During 1984 the papers will appear in Research Records, Transport. Res. Board, 2101 Constitution Ave., Washington, DC 20418. Audio tapes avail. Bowers Reporting Co., 7309 Arlington Blvd., Falls Church, VA 22042, USA, Some papers noted as "Paper" are available from: Library, Transportation Research Board, 2101 Constitution Ave., Washington, DC 20418. $10/ea Audio Tape 95.
Meeting Info.: 841 0165: Transportation Research Board 63rd Annual Meeting (8410165). Washington, DC (USA). 16-20 Jan 84. Transportation Research Board (TRB).

EKD 07/29/2003

STN - Conference Papers Index

DT Conference
FS DCCP
LA UNAVAILABLE
CC 3000 CIVIL AND MECHANICAL ENGINEERING

L6 ANSWER 14 OF 21 CONFSCI COPYRIGHT 2003 CSA on STN
AN 83:42574 CONFSCI
DN 83062300
TI New uninterruptible power **supply** system for satellite **communication**
AU Yoshida, H.; Matsunaga, M.; Matsuzaki, K.; Miguchi, Y.
CS Toshiba Corp., Japan
SO IEEE, 345 East 47th Street, New York, NY 10017, USA, For proceedings information please contact IEEE or IECE, Kikai-Shinko-Kaikan, 3-5-8 Shiba-Koen, Minato-Ku, Tokyo, Japan.
Meeting Info.: 834 0216: INTELEC 83 - Fifth International Telecommunications Energy Conference (8340216). Tokyo, Japan. 18-21 Oct 83. Institute of Electronics & Communications Engineers of Japan (IECEJ); Institute of Electrical and Electronics Engineers (IEEE) Communications Society.
DT Conference
FS DCCP
LA UNAVAILABLE
CC 8500 POWER ENGINEERING; 4000 ELECTRICAL ENGINEERING

L6 ANSWER 15 OF 21 CONFSCI COPYRIGHT 2003 CSA on STN
AN 82:41158 CONFSCI
DN 82053356
TI Monkey-**Sharing** as a Form of **Supply**
AU Terry, M.W.; Sutherland, T.
CS Primate Supply Inf. Clearinghouse (SJ-50), Reg. Primate Res. Cent., Univ. Washington, Seattle, WA 98195, USA
SO Abstracts in: "International Journal of Primatology", Sep. 1982, Plenum Publishing Corp., 233 Spring Street, New York, NY 10013, USA, ISSN 0164-0291 Abstract No. 0279.
Meeting Info.: 823 0128: IXth Congress of the International Primatological Society (8230128). Atlanta, GA. 8-13 Aug 82. International Primatological Society; American Society of Primatologists; International Society for Human Ethology.
DT Conference
FS DCCP
LA UNAVAILABLE
CC 2000 BIOLOGY GENERAL

L6 ANSWER 16 OF 21 CONFSCI COPYRIGHT 2003 CSA on STN
AN 80:4566 CONFSCI
DN 80038532
TI Incremental conceptions of cost parameters: An **interface** of **inventory** theory, learning curves, and capital budgeting
AU Corcoran, A. W.
CS Dept. Of Accountancy, City Univ. of New York, 17 Lexington Ave., New York, NY 10010
SO Abstracts (Eng) in ''TIMS/ORSA Bulletin,'' (ISSN 0161-0295), No. 9, 1980, $3.00 per copy prepaid: TIMS, 146 Westminster St., Providence, RI 02903 or ORSA, 428 E. Preston St., Baltimore, MD 21202. Papers must be requested directly from authors.
Meeting Info.: Institute of Management Science/Operations Research Society of America Joint National Meeting (TIMS/ORSA - DC '80) (802 0155). Washington, DC. 4-7 May 80. The Institute of Management Science;

EKD 07/29/2003

Operations Research Society of America.
DT Conference Article
FS DCCP
LA English
CC 6500 MATHEMATICS; 0500 AEROSPACE SCIENCES AND ENGINEERING; 3000 CIVIL AND MECHANICAL ENGINEERING; 3500 CLINICAL MEDICINE; 4000 ELECTRICAL ENGINEERING; 5500 GEOSCIENCE; 8500 POWER ENGINEERING

L6 ANSWER 17 OF 21 CONFSCI COPYRIGHT 2003 CSA on STN
AN 79:90020 CONFSCI
DN 80042403
TI A primary power **supply** system for **communications** using a Darrieus wind turbine
AU Kawamoto, H.
CS Nippon Electric Industry Co., Ltd., Tokyo, Japan
SO Papers (Eng) in ''Conference Record:'' IEEE Service Center, 445 Hoes Ln., Piscataway, NJ 08854..
Meeting Info.: International Telecommunications Energy Conference (INTELEC '79) (794 2690). Washington, DC. 26-29 Nov 79. Institute of Electrical and Electronics Engineers (Communications Society).
DT Conference Article
FS DCCP
LA English
CC 8500 POWER ENGINEERING; 4000 ELECTRICAL ENGINEERING

L6 ANSWER 18 OF 21 CONFSCI COPYRIGHT 2003 CSA on STN
AN 78:100221 CONFSCI
DN 79040597
TI Identification of the dynamic model of **wholesalers' inventory** control behavior
AU Mori, F.
CS Japan
SO Preprints (Eng) in Conference Record, for information: IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854..
Meeting Info.: International Conference on Cybernetics and Society (784 2381). Tokyo, Japan. 3-7 Nov 78. Institute of Electrical and Electronics Engineers (Systems, Man & Cybernetics Society).
DT Conference Article
FS DCCP
LA UNAVAILABLE
CC 5000 GENERAL ENGINEERING AND TECHNOLOGY

L6 ANSWER 19 OF 21 CONFSCI COPYRIGHT 2003 CSA on STN
AN 78:11720 CONFSCI
DN 78054398
TI **Communication** circuits & equipment for electricity **supply** telecontrol systems.
AU Hopkins, R.J.
CS S Eastern Electricity Bd, UK.
SO Papers in bound volume "Centralised Control Systems," (ISBN: 085296185 5) in Eng, 23 Mar 78: IEE, Pub. Sales Dept., Station House, 70 Nightingale Rd., Hitchin, Herts, UK..
Meeting Info.: 2nd International Conference on Centralised Control Systems (781 2012). London, England. 20-23 Mar 78. Institution of Electrical Engineers.
DT Conference Article
FS DCCP
LA UNAVAILABLE
CC 4000 ELECTRICAL ENGINEERING

EKD 07/29/2003

STN - Conference Papers Index

L6 ANSWER 20 OF 21 CONFSCI COPYRIGHT 2003 CSA on STN
AN 75:12840 CONFSCI
DN 75060137
TI **Inventory** simulations in time-**sharing** & some programming & documentation considerations.
AU Naddor, E...
SO Abstracts in Bulletin of the Operations Research Society of America," Supplement 1, Spring 1975, $3 per copy: Operations Research Society of America, 428 East Preston St., Baltimore, Md. 21202..
Meeting Info.: Operations Research Society of America/Institute of Management Sciences National Meeting (A752178). Chicago, Illinois. 30 Apr-2 May 75. Operations Research Society of America; The Institute of Management Sciences.
DT Conference Article
FS DCCP
LA UNAVAILABLE
CC 6500 MATHEMATICS

L6 ANSWER 21 OF 21 CONFSCI COPYRIGHT 2003 CSA on STN
AN 73:339 CONFSCI
DN 73040378
TI **Supply** of power to station-keeping electric thrustors on geosynchronous **communication** satellites.
AU Tonkin, S.W.
SO Papers in IEE Conference Publication No. 100, after meeting: Conference Dept., Institution of Electrical Engineers, Savoy Place, London WC2R 08L, U.K..
Meeting Info.: Conference on Electric Propulsion of Space Vehicles (B732225). Abingdon, UK. 10-12 Apr 73. Institution of Electrical Engineers (Science Education and Management Division).
DT Conference Article
FS DCCP
LA UNAVAILABLE
CC 0500 AEROSPACE SCIENCES AND ENGINEERING

EKD 07/29/2003

STN - Conference Papers Index

L9 ANSWER 1 OF 15 CONFSCI COPYRIGHT 2003 CSA on STN
AN 95:65859 CONFSCI
DN 95-065859
TI Risk **sharing** agreements between health care providers and **vendors**
AU Hertz, E.
CS Duke Univ. Med. Cent.
SO Association for the Advancement of Medical Instrumentation, 3330 Washington Blvd., Suite 400, Arlington, VA 22201, Abstracts available. Price $25..
Meeting Info.: 952 0148: 30th Annual Meeting of the Association for the Advancement of Medical Instrumentation (9520148). Anaheim, CA (USA). 20-24 May 1995. Association for the Advancement of Medical Instrumentation.
DT Conference
FS DCCP
LA English
CC 3500 CLINICAL MEDICINE

L9 ANSWER 2 OF 15 CONFSCI COPYRIGHT 2003 CSA on STN
AN 95:30438 CONFSCI
DN 95-030438
TI Stress as reproductive risk for low birthweight in the **informal** sector: Female street **vendors** in Mexico City
AU Cedillo, L.; Patricia, H.; Alfredo, Z.
SO American Public Health Association, Publication Sales, 1015 15th St., NW, Washington, DC 20005, USA, Abstracts available. Price $30 for 2-volume set..
Meeting Info.: 944 0901: American Public Health Association 122nd Annual Meeting and Exhibition: Public Health and Diversity--Opportunities for Equity (9440901). Washington DC (USA). 30 Oct-3 Nov 1994. American Public Health Association.
DT Conference
FS DCCP
LA English
CC 3500 CLINICAL MEDICINE

L9 ANSWER 3 OF 15 CONFSCI COPYRIGHT 2003 CSA on STN
AN 94:42412 CONFSCI
DN 94-054391
TI **Informal** tourism employment: The case of **vendors** in Bali, Indonesia
AU Wall, G.; Cukier, J.
CS Dep. Geography, Univ. Waterloo, Waterloo, Ontario N2L 3G1, Canada
SO Association of American Geographers, 1710 Sixteenth St., NW, Washington, DC 20009-3198 phone: (202) 234-1450. fax: (202) 234-2744, Abstracts available. Price $7.50.
Meeting Info.: 941 0281: Association of American Geographers 90th Annual Meeting (9410281). San Francisco, CA (USA). 29 Mar-2 Apr 1994. Association of American Geographers.
DT Conference
FS DCCP
LA English
CC 5500 GEOSCIENCE

L9 ANSWER 4 OF 15 CONFSCI COPYRIGHT 2003 CSA on STN
AN 92:21126 CONFSCI
DN 92058998
TI Getting the best system for your library: **Communicating** with **vendors**

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STN - Conference Papers Index

AU Casey, M.H.
CS Information Systems Consultants
SO Learned Information, 143 Old Marlton Pike, Medford, NJ 08055-8750, USA; Telephone: (609) 654-6266; Fax: (609) 654-4309, Proceedings.
Meeting Info.: 922 5024: 13th National Online Meeting & IOLS '92 - Integrated Online Library Systems (9225024). New York, NY (USA). 5-7 May 1992.
DT Conference
FS DCCP
LA UNAVAILABLE
CC 6500 MATHEMATICS

L9 ANSWER 5 OF 15 CONFSCI COPYRIGHT 2003 CSA on STN
AN 91:15955 CONFSCI
DN 91044752
TI Human-machine **interface** from a **vendor** perspective
AU Hubby, R.N.
CS Leeds and Northrup
SO Southcon/91 Conference Record, 8110 Airport Blvd., Los Angeles, CA 90045, USA, $30.00 Paper No. 14/3.
Meeting Info.: 911 5039: Southcon/91 (9115039). Atlanta, GA (USA). 26-28 Mar 1991. IEEE.
DT Conference
FS DCCP
LA UNAVAILABLE
CC 4000 ELECTRICAL ENGINEERING

L9 ANSWER 6 OF 15 CONFSCI COPYRIGHT 2003 CSA on STN
AN 87:34586 CONFSCI
DN 88005795
TI **Vendor** approach on multivendor factory **communications**
AU Pic, J.-M.
CS Bull, France
SO ISATA Secretariat, 42 Lloyd Park Avenue, Croydon CR0 5SB (UK). Telephone: 01 681 3069/01 686 1329. Telex: 28905 Monref 2592. Telefax: 01 686 1490, Paper No. 87121.
Meeting Info.: 874 5004: 17th International Symposium on Automotive Technology and Automation (8745004). Munich (FRG). 25-29 Oct 1987. Sponsor not indicated.
DT Conference
FS DCCP
LA UNAVAILABLE
CC 3000 CIVIL AND MECHANICAL ENGINEERING; 6500 MATHEMATICS

L9 ANSWER 7 OF 15 CONFSCI COPYRIGHT 2003 CSA on STN
AN 87:22869 CONFSCI
DN 87039644
TI Flow regimes and **interfacial** characteristics in a bubble column with ejector-type gas **distributor**
AU Pejanovic, M.S.; Vukovic, V.D.; Savkovic, M.T.
CS Belgrade Univ., Beograd, Yugoslavia
SO 9th Congress CHISA '87, P.O. Box 857, 111 21 Praha 1 (Czechoslovakia). Telex: 121114 CHP C (Attn.CHISA), Paper No. 458.
Meeting Info.: 873 0040: 9th International Congress of Chemical Engineering, Chemical Equipment Design and Automation (8730040). Praha (Czechoslovakia). 30 Aug-4 Sep 1987. Czechoslovak Academy of Sciences.
DT Conference
FS DCCP
LA UNAVAILABLE

EKD 07/29/2003

STN - Conference Papers Index

CC 2500 CHEMISTRY AND CHEMICAL ENGINEERING

L9 ANSWER 8 OF 15 CONFSCI COPYRIGHT 2003 CSA on STN
AN 84:43472 CONFSCI
DN 84061263
TI Program for **communicating** just-in-time concepts to smaller manufacturing **vendors**
AU Tice, H.S.,Jr.; Williams, J.R.
CS Stanadyne Diesel Syst., Windsor, CT, USA
SO 1984, Proceedings and abstracts booklet available: APICS, 500 West Annandale Road, Falls Church, VA 22046-4274, USA, Paper No. N-2.
Meeting Info.: 844 0019: American Production and Inventory Control Society, 27th Annual International Conference and Technical Exhibit (8440019). Las Vegas, NV (USA). 9-12 Oct 84. American Production and Inventory Control Society (APICS).
DT Conference
FS DCCP
LA UNAVAILABLE
CC 5000 GENERAL ENGINEERING AND TECHNOLOGY; 6500 MATHEMATICS

L9 ANSWER 9 OF 15 CONFSCI COPYRIGHT 2003 CSA on STN
AN 83:56723 CONFSCI
DN 84010197
TI Technology aspects of the gate array user/**vendor interface**
AU Hardage, C.
CS California Devices Inc., San Jose, CA
SO Proceedings in: "Wescon/83", 1983, Western Periodicals Co., 13000 Raymer St., North Hollywood, CA 91605, USA, Session records and cassette tape recordings are also available. Contact IEEE for further information Paper No. 30/3.
Meeting Info.: 834 0232: Western Electronic Show and Convention WESCON/83 (8340232). San Francisco, CA (USA). 8-11 Nov 83. Institute of Electrical and Electronics Engineers (IEEE).
DT Conference
FS DCCP
LA UNAVAILABLE
CC 6500 MATHEMATICS

L9 ANSWER 10 OF 15 CONFSCI COPYRIGHT 2003 CSA on STN
AN 82:31210 CONFSCI
DN 82043231
TI The CMOS Gate Array Customer/**Vendor Interface**
AU Hardage, C.
CS California Devices, San Jose, CA
SO Proceedings in: "Wescon/82", 1982, IEEE Publications Office, 345 East 47th Street, New York, NY 10017, USA, Session records and cassette tape recordings are also available. Price of printed proceedings $135.00 Paper No. 10/5.
Meeting Info.: 823 0003: Western Electronic Show and Convention WESCON/82 (8230003). Anaheim, CA. 14-16 Sep 82. Institute of Electrical and Electronics Engineers (IEEE).
DT Conference
FS DCCP
LA UNAVAILABLE
CC 4000 ELECTRICAL ENGINEERING; 6500 MATHEMATICS

L9 ANSWER 11 OF 15 CONFSCI COPYRIGHT 2003 CSA on STN
AN 78:99951 CONFSCI

EKD 07/29/2003

STN - Conference Papers Index

DN 79040327
TI **Vendor** supplied minicomputer **communications** and network systems
AU Rigg, P.
CS Logica
SO Papers in softbound volume "Minicomputer Forum 78" (ISBN 0 903796 36 8) in Eng, 7 Sept 78, j30.00 (approx.): Online Conferences Ltd., Cleveland Rd., Uxbridge, Middlesex, UK..
Meeting Info.: Minicomputer Forum (784 2284). London, United Kingdom. 7-9 Nov 78. Online Conferences Limited.
DT Conference Article
FS DCCP
LA UNAVAILABLE
CC 4000 ELECTRICAL ENGINEERING

L9 ANSWER 12 OF 15 CONFSCI COPYRIGHT 2003 CSA on STN
AN 76:35495 CONFSCI
DN 76089127
TI **Interface** between user & **supplier** from a service viewpoint.
AU Susskind, I.N.
SO ICC Conference Record," (IEEE Catalog Number 76CH1085-0 CSCB, 13 Jun 76, $20 IEEE members, $30 others plus $3 mailing charge (surface mail): IEEE Single Copy Sales, 445 Hoes Lane, Piscataway, N.J. 08854..
Meeting Info.: IEEE International Conference on Communications (A762019). Philadelphia, Pennsylvania. 14-16 Jun 76. Institute of Electrical and Electronics Engineers (Communication Society Conference Board and Philadelphia Section).
DT Conference Article
FS DCCP
LA UNAVAILABLE
CC 4000 ELECTRICAL ENGINEERING

L9 ANSWER 13 OF 15 CONFSCI COPYRIGHT 2003 CSA on STN
AN 76:731 CONFSCI
DN 76052129
TI **Interfaced** multi-**vendor** computer system (META 4DEC 680i--IBM) of Fairfield University.
AU MacDonald, J.C.
CS Fairfield U, Fairfield, Ct 06430.
SO Abstracts volume. Inquire: Dr. E. S. Hodge, c/o Mellon Institute, 4400 Fifth Avenue, Pittsburgh, Pa 15213. Request papers from authors..
Meeting Info.: 27th Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy (A761007). Cleveland, Ohio. 1-5 Mar 76. Spectroscopy Society of Pittsburgh; Society for Analytical Chemistry of Pittsburgh.
DT Conference Article
FS DCCP
LA UNAVAILABLE
CC 2500 CHEMISTRY AND CHEMICAL ENGINEERING

L9 ANSWER 14 OF 15 CONFSCI COPYRIGHT 2003 CSA on STN
AN 73:48675 CONFSCI
DN 74026072
TI Architect/engineer-nuclear **vendor**-utility **interface**.
AU Retallick, F.D.
SO Summaries in ANS Transactions," Vol. 17, Nov 73; $20.00: American Nuclear Society, 244 E. Ogden Avenue, Hinsdale, Illinois 60521..
Meeting Info.: American Nuclear Society 1973 Winter Meeting (A734051). San Francisco, Calif. 11-15 Nov 73. American Nuclear Society.

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STN - Conference Papers Index

DT Conference Article
FS DCCP
LA UNAVAILABLE
CC 8500 POWER ENGINEERING

L9 ANSWER 15 OF 15 CONFSCI COPYRIGHT 2003 CSA on STN
AN 73:48672 CONFSCI
DN 74026069
TI Techniques for effective **interfacing**--owner, engineer, **vendor**.
AU Vellender, E.U.
SO Summaries in ANS Transactions," Vol. 17, Nov 73; $20.00: American Nuclear Society, 244 E. Ogden Avenue, Hinsdale, Illinois 60521..
Meeting Info.: American Nuclear Society 1973 Winter Meeting (A734051). San Francisco, Calif. 11-15 Nov 73. American Nuclear Society.
DT Conference Article
FS DCCP
LA UNAVAILABLE
CC 8500 POWER ENGINEERING

EKD 07/29/2003

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File  15:ABI/Inform(R) 1971-2003/Jul 26
         (c) 2003 ProQuest Info&Learning
File   9:Business & Industry(R) Jul/1994-2003/Jul 28
         (c) 2003 Resp. DB Svcs.
File 610:Business Wire 1999-2003/Jul 29
         (c) 2003 Business Wire.
File 810:Business Wire 1986-1999/Feb 28
         (c) 1999 Business Wire
File 275:Gale Group Computer DB(TM) 1983-2003/Jul 29
         (c) 2003 The Gale Group
File 476:Financial Times Fulltext 1982-2003/Jul 29
         (c) 2003 Financial Times Ltd
File 624:McGraw-Hill Publications 1985-2003/Jul 28
         (c) 2003 McGraw-Hill Co. Inc
File 636:Gale Group Newsletter DB(TM) 1987-2003/Jul 29
         (c) 2003 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2003/Jul 29
         (c) 2003 The Gale Group
File 613:PR Newswire 1999-2003/Jul 29
         (c) 2003 PR Newswire Association Inc
File 813:PR Newswire 1987-1999/Apr 30
         (c) 1999 PR Newswire Association Inc
File  16:Gale Group PROMT(R) 1990-2003/Jul 29
         (c) 2003 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File 634:San Jose Mercury  Jun 1985-2003/Jul 27
         (c) 2003 San Jose Mercury News
File 148:Gale Group Trade & Industry DB 1976-2003/Jul 29
         (c)2003 The Gale Group
File  20:Dialog Global Reporter 1997-2003/Jul 29
         (c) 2003 The Dialog Corp.
File 994:NewsRoom 2001
         (c) 2003 The Dialog Corporation
File 995:NewsRoom 2000
         (c) 2003 The Dialog Corporation

Set     Items   Description
S1     796452   (SUPPLY? OR INVENTORY OR INVENTORIES OR STOCK)(2N)(CHAIN? ?
                OR MANAG? OR FULFILLMENT OR LOGISTIC? OR JIT OR JUST(1W)TIME)
                OR SCM
S2     206601   (VENDOR? OR SUPPLIER? OR DEALER? ? OR DISTRIBUTOR? OR WHOL-
               ESALER?)(2N)(SHARE? OR SHARING OR NOTIFI? OR NOTIFY? OR APPRI-
               S? OR COLLABORAT? OR INFORM?? OR INFORMING OR COMMUNICAT? OR -
               INTERFAC? OR UPLOAD?)
S3    1051243   (CONVENIENCE OR C OR DISCOUNT OR DOLLAR OR NEIGHBORHOOD)(2-
               W)(STORE OR STORES OR MART? ? OR RETAILER?) OR (K OR WAL OR Q-
               UICK)(1W)MART? ? OR DISCOUNTER? OR 7(1W)(11 OR ELEVEN) OR CIR-
               CLE(1W)K
S4       2065   S1 AND S2 AND S3
S5         34   (S1(5N)S3)(S)S2
S6        138   ((S1(5N)S3) AND S2) NOT PD>20010323
S7         24   S5 NOT PD>20010323
S8         15   RD (unique items)
S9         14   (S1(5N)S3) AND (S2(5N)(VIRTUAL? OR CYBER OR COMPUTERI? OR -
              DISTRIBUTED OR NETWORK? OR LINK? OR INTERACTIV?))
S10         8   S9 NOT PD>20010323
S11         6   RD (unique items)
S12     35149   S1(3N)(VIRTUAL? OR CYBER OR COMPUTERI? OR DISTRIBUTED OR N-
               ETWORK? OR LINK? OR INTERACTIV?)
S13        38   (S3(S)S12) AND S2
S14        28   S13 NOT PD>20010323
S15        21   RD (unique items)
```

8/3,K/1 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

02531657 117543308
Constellation of competitive advantage: components and dynamics
Ma, Hao
Management Decision v37n4 PP: 348-355 1999
ISSN: 0025-1747 JRNL CODE: MGD
WORD COUNT: 5519

...TEXT: vendors and suppliers; pioneering the comprehensive use of information technology; and developing advanced skills in **inventory management** . **Wal - Mart** 's size or scale itself would provide bargaining power over vendors. With the use of...

... inventory needs for individual stores and company wide. Information technology also allowed Wal-Mart to **share** information with **vendors** that enabled them to better plan their production schedules to suit Wal-Mart's inventory...

8/3,K/2 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

02301005 90881584
Automatic replenishment programs: The impact of organizational structure
Sabath, Robert E; Autry, Chad W
Journal of Business Logistics v22n1 PP: 91-106 2001
ISSN: 0735-3766 JRNL CODE: JBL
WORD COUNT: 5273

...TEXT: and enhance responsiveness.

TABLE 4:

Wal-Mart is an excellent example of such a balance. **Wal - Mart** has clearly centralized their **supply chain** . Using cross-functional teams within their own organization, Wal-Mart has achieved true integration with ...

... allowing the immediate collection of POS data, stocking, and inventory information. The information is immediately **shared** with **vendors** . Nearly 18,000 vendors are directly linked to Wal-Mart.

A significant portion of Wal...

8/3,K/3 (Item 3 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

02064257 60113406
Wiring the produce patch
Hennessy, Terry
Progressive Grocer v79n9 PP: 79-86 Sep 2000
ISSN: 0033-0787 JRNL CODE: PGR
WORD COUNT: 2469

...TEXT: that system in produce."

The system basically develops a long-term partnership between WalMart and **suppliers** that includes **sharing** of strategic information. The idea was simple, but it represented a revolution in **managing** the produce **supply chain** .

" **Wal - Mart** set the standard," says John Loughridge, vice president of marketing for Del Monte Fresh Produce, North America Inc., Coral Gables, Fla. "They work closely with **suppliers** and **share** data. The **suppliers** allow Wal-Mart to use their data to meet joint goals."

The Wal-Mart business...

8/3,K/4 (Item 4 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01970186 47653885
The $200 billion blueprint
Anonymous
Chain Store Age v75n13 PP: 12-13 Mid-Dec 1999
ISSN: 1087-0601 JRNL CODE: CSA
WORD COUNT: 972

...TEXT: with past success are the top priorities of senior executives. So is its relationship with **vendors** . Increased **collaboration** with **vendors** is essential for Wal-Mart to achieve further efficiency gains in the area of **inventory management** . **Wal - Mart** is also counting on vendors to help the company customize the merchandise mix in every...

8/3,K/5 (Item 5 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01966444 47192615
Discount stores
Anonymous
Chain Store Age PP: 10B-11B Dec 1999
ISSN: 1087-0601 JRNL CODE: CSA
WORD COUNT: 686

ABSTRACT: **Inventory management** survey results reveal that **discount retailers** understand the link between **inventory management** and customer demands. Indeed, like many other retailers, **discounters** believe that effective **inventory management** can help them satisfy customer needs. Not surprisingly, as **discount retailers** strive to enhance **inventory - management** practices, they have put particular focus on information- **sharing** and **vendor** partnerships. Survey results are discussed and presented in chart form.
...TEXT: and/or UPC code information when recording inventories as future industry trends.

Retail Performance Measures

Inventory - Management Programs Currently Used
Discount retailers have made great strides in implementing inventorymanagement practices throughout their organizations. Undoubtedly, as executives in this segment continue to emphasize key practices such as information **sharing** , **vendor** partnerships and data integrity, they will see improvements in inventorymanagement capabilities and in customer satisfaction...

8/3,K/6 (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

03586826 Supplier Number: 47428849 (USE FORMAT 7 FOR FULLTEXT)
First Annual Awards for Retail Networks

dot.COM, v4, n3, pN/A
June 1, 1997
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 456

... that enables a customer to select, personalize and order greeting cards and other gift items.
Supply Chain Networks - **Wal - Mart** Stores Inc. (702 S.W. 8th Street, Bentonville, AR 72716), for their Collaborative Planning Forecasting and Replenishment (CPFR) initiative, which will enable retailers to work with larger numbers of **suppliers** to **share** forecasting information, and enable suppliers to work with larger numbers of retailers to share planned...

8/3,K/7 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

07365622 Supplier Number: 59354676 (USE FORMAT 7 FOR FULLTEXT)
Getting IT right.(Brief Article)
Hunt, Julian; Gannaway, Belinda; Dempsey, Karen; Bedall, Clive
Grocer, v222, n7410, p20
June 19, 1999
Language: English Record Type: Fulltext
Article Type: Brief Article
Document Type: Magazine/Journal; Trade
Word Count: 884

... Tony Campbell believes Asda has "a trick or two" to learn.
Take the way it **shares** data with **suppliers** : "The big multinationals have large numbers of people actually working in **Wal Mart** 's HQ on inventory **management** and **supply chain** systems," he says. "They see the sales going through **Wal - Mart** 's stores and are **managing** the **stock** ." That's something **Wal - Mart** would clearly like to replicate here -- one day.
In the short term, there's another...

8/3,K/8 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

06913021 Supplier Number: 58414581 (USE FORMAT 7 FOR FULLTEXT)
Inventory Management.(Statistical Data Included)
Chain Store Age Executive with Shopping Center Age, v75, n12, p3B
Dec, 1999
Language: English Record Type: Fulltext
Article Type: Statistical Data Included
Document Type: Magazine/Journal; Trade
Word Count: 9853

... partnerships with 11%
outside counting services
Discount Stores
This year's survey results reveal that **discount retailers** understand the link between **inventory management** and customer demands. Indeed, like many other retailers, **discounters** believe that effective **inventory management** can help them satisfy customer needs. Not surprisingly, as **discount retailers** strive to enhance **inventory - management** practices, they have put particular focus on information-**sharing** and **vendor** partnerships.
That

8/3,K/9 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

04907120 Supplier Number: 47215369 (USE FORMAT 7 FOR FULLTEXT)
Supply chain collaboration heats up at logistics meeting
Fried, Lisa I.
Drug Store News, p6
March 17, 1997
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 591

... director of the drug team for Lever Brothers. 'Now we are doing something about it.'

Collaboration between **vendors** and retailers was clearly the theme of the meeting. An executive from **Wal - Mart** , Robert Bruce, vice president of **supply chain management** , led an educational session in which he shared the progress his chain has made in streamlining the **supply chain** .

Two years ago, **Wal - Mart** sought to push through a major supply chain project. With thousands of vendors to contend...

8/3,K/10 (Item 4 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

04360266 Supplier Number: 46394673
CAN ECR SIGNAL AN ERA OF SAVINGS AND CO-OPERATION
Grocer, p4
May 18, 1996
Language: English Record Type: Abstract
Document Type: Magazine/Journal; Trade

ABSTRACT:
...the IGD. The ECR initiative, which was initiated in order to reducing costs in the **supply chain** to fight **discounters** more efficiently, could result in price reductions reaching GB 2bn according to its backers. The...

...such as Birds Eye Wall and the major multiples of the country, will result in **suppliers** and retailers **sharing** resources for distribution and sales data and will not be restricted to category management and...

8/3,K/11 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

12528833 SUPPLIER NUMBER: 64825276 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The Road That Lies Ahead.
Groves III, Fletcher L.
Professional Builder (1993), 65, 8, 83
July, 2000
ISSN: 1072-0561 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1394 LINE COUNT: 00114

... more strongly. When asked whether they could foresee home building companies taking the lead in **collaborating** with **suppliers** and subs to manage all of the activities in the process of creating the housing product--similar to the effort **Wal - Mart** has made to **manage** its **supply chain** --an overwhelming majority (80%) expect the industry to move in that direction.

Well, it should...

8/3,K/12 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

10435233 SUPPLIER NUMBER: 21085336
Shippers let vendors manage **the** stock : Wal - Mart **'s** suppliers share **in databases.**
Mongelluzzo, Bill
Journal of Commerce and Commercial, v417, n29288, p12A(1)
August 20, 1998
ISSN: 1088-7407 LANGUAGE: English RECORD TYPE: Abstract

Shippers let vendors manage **the** stock : Wal - Mart **'s** suppliers share **in databases.**

8/3,K/13 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

03309838 SUPPLIER NUMBER: 05198949 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Discounting's future will bring upheaval - opportunity.
Longo, Donald
Discount Store News, v26, p55(1)
Sept 14, 1987
ISSN: 0012-3587 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 496 LINE COUNT: 00042

... consumer "psychographics,' as well as demographics; and the use of management information systems that enable **discounters** to better **manage** their **inventory** investment, control energy costs and security, and even, **communicate** with their **vendors** for quicker reordering of merchandise.
The discounters that didn't adjust to change are history...

8/3,K/14 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2003 The Dialog Corp. All rts. reserv.

05834328 (USE FORMAT 7 OR 9 FOR FULLTEXT)
When shoppers visit Asda's new hypermarket in Swansea, they'
GROCER
June 19, 1999
JOURNAL CODE: FGCR LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 572

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... shares data with suppliers: "The big multinationals have large numbers of people actually working in **Wal Mart** 's HQ on inventory **management** and **supply chain** systems," he says. "They see the sales going through **Wal - Mart** 's stores and are **managing** the **stock** ."
That's something **Wal - Mart** would clearly like to replicate here one day.
In the short term, there's another...

8/3,K/15 (Item 1 from file: 994)
DIALOG(R)File 994:NewsRoom 2001
(c) 2003 The Dialog Corporation. All rts. reserv.

0226530707 15E50XZL
Technology Briefs
TRAFFIC WORLD, p42
Monday, March 12, 2001

JOURNAL CODE: ALAS LANGUAGE: ENGLISH RECORD TYPE: Fulltext
DOCUMENT TYPE: Trade Journal SECTION HEADING: TECH ISSN: 0041-073X
WORD COUNT: 684

TEXT:
...Glendale, Calif. CUSTOMERS Wal-Mart Stores will use BridgePoint's Analytical tools to improve its **supply - chain** data. **Wal - Mart** currently uses Cary, N.C.-based BridgePoint's supply-chain software to monitor international orders...

...shipments, said a spokesperson for BridgePoint. The Analytical tools will take data from BridgePoint's **supply - chain** software, **manage** and organize it, enabling **Wal - Mart** to view performance metrics and drive down supply-chain costs, said the spokesperson. Bicycle helmets...

11/3,K/1 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

02011260 52580795
Dream the impossible
Hill, Suzette
Apparel Industry Magazine v61n4 PP: 12-17 Apr 2000
ISSN: 0192-1878 JRNL CODE: ANM
WORD COUNT: 2101

...TEXT: that's convinced it's wrung just about all the costs it can from its **supply chain** , and the **discounter** is now looking to the store floor for sales increases to continue its year-over...solution will enable manufacturers to intelligently manage inventory and working capital."

"Warnaco will in turn **link** through Softgoods Matrix to **collaborate** with its **suppliers** and partners on demand plans and capacity utilization," adds Terry Turner, vice president of i2...

11/3,K/2 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01290824 99-40220
Pssst! Want to sell to Wal-Mart?
Schaffner, Karen
Apparel Industry Magazine v57n8 PP: 18-19+ Aug 1996
ISSN: 0192-1878 JRNL CODE: ANM
WORD COUNT: 1144

...TEXT: 1991, though "it was just a shell of what it is today," Lupo recalls.

Retail **Link** keeps **vendors** electronically **informed** about sales by SKU on a daily basis. "It's the most powerful tool I...

... SKU, by store and by climate zone. Even markdowns and returns can be tracked.

Reducing **supply** - **chain** cost. One of the results **Wal** - **Mart** hopes to see is a reduction in supply-chain cost. "If we can become more...last fall, "our hard lines vendors at Wal-Mart are making better use of Retail **Link** than our apparel **vendors** ."
While Lupo **shared** the blame with his vendors for Retail Link's limited success, he vowed to turn...

11/3,K/3 (Item 3 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00875699 95-25091
Managing in a wired company
Stewart, Thomas A
Fortune v130n1 PP: 44-56; Asian 16-22; European Jul 11, 1994
ISSN: 0015-8259 JRNL CODE: FOR
WORD COUNT: 3752

...TEXT: and more, the operations companies conduct on-line are critical ones--trading at brokerage houses, **stock management** at **Wal** - **Mart** , design and development of new aircraft at Boeing.

It's a welcome development, argues Robert...saved. News that once waited for Monday's staff meeting goes out today. When SynOptics **Communications** ,

a **supplier** of systems used for **network** integration, audited its work processes, the company learned that electronic delivery of mail and files ...

11/3,K/4 (Item 1 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
(c) 2003 Resp. DB Svcs. All rts. reserv.

2426530 Supplier Number: 02426530 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Data Sharing With Vendors Key to Wal-Mart's Strategy
(Wal-Mart's electronic data interchange system connects to 17,700 vendors; Procter & Gamble is forecast to have sales of over $4 bil to Wal-Mart in 1999)
Supermarket News, v 47, n 14, p 17+
April 05, 1999
DOCUMENT TYPE: Journal ISSN: 0039-5803 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 739

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...are the keys to supplier relationships for Wal-Mart Stores, Bentonville, Ark.

Through its Retail **Link** system, provided free to its **suppliers** , Wal-Mart **shares** information, including point-of-sale data, stocking information, warehouse alignment by item and season profile...
...point-of-sale data, Gilbert said. The installation of direct links with suppliers has converted **Wal - Mart** 's **supply chain** to a "pull" one rather than a "push" one, cutting lead times by 60% to...

11/3,K/5 (Item 1 from file: 613)
DIALOG(R)File 613:PR Newswire
(c) 2003 PR Newswire Association Inc. All rts. reserv.

00281018 20000308SFW107 (USE FORMAT 7 FOR FULLTEXT)
Chevron, Mclane And Oracle to Form Retailersmarketxchange.Com for Convenience Store Industry
PR Newswire
Wednesday, March 8, 2000 14:28 EST
JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 1,302

...marketplace, planned to go online this summer, intends to be the catalyst for revolutionizing the **supply chain** to the highly fragmented **convenience store** (" **C - store** ") and small-business sector. For suppliers, the
marketplace has the potential to dramatically reduce costs...

...the retailer's onsite operations
with those of the suppliers.

-- A dynamic, interactive online community **network** where retailers and
suppliers can **share** information.
RetailersMarketXchange.com is based on the Oracle e-business platform and
the Oracle Exchange...

11/3,K/6 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

06272813 Supplier Number: 54391067 (USE FORMAT 7 FOR FULLTEXT)

CIES SUPPLY CHAIN CONFERENCE; DATA SHARING WITH VENDORS KEY TO WAL- MART'S STRATEGY.

FALLON, JAMES

Supermarket News, p17(1)
April 5, 1999
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 745

Through its Retail **Link** system, provided free to its **suppliers** , Wal- Mart **shares** information, including point-of-sale data, stocking information, warehouse alignment by item and season profile...

...point-of-sale data, Gilbert said. The installation of direct links with suppliers has converted **Wal** - **Mart** 's **supply** **chain** to a "pull" one rather than a "push" one, cutting lead times by 60% to...

15/3,K/1 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

02108603 65646692
High-tech knowledge
Janoff, Barry
Progressive Grocer v79n12 PP: 45-48 Dec 2000
ISSN: 0033-0787 JRNL CODE: PGR
WORD COUNT: 1640

...TEXT: of the B2B exchanges formed to unite food, CPG and retail segments.

However, since 1991, **Wal - Mart** has been front-and-center in the business-to-business sector with Retail **Link** , its technologically enhanced **supply - chain** infrastructure. Retail **Link** integrates the company's electronic data interchange (EDI) networks with an extranet used by **Wal - Mart** buyers and some 10,000 suppliers to gather and disseminate information about sales and inventory...he says.

Retail Link has been a great tool for Wal-Mart in terms of **collaboration** with **suppliers** . And as the company's customer base changes, Retail Link continues to evolve, he says...

15/3,K/2 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01970212 47653941
Vendors armed with data to meet future
Anonymous
Chain Store Age v75n13 PP: 92-93 Mid-Dec 1999
ISSN: 1087-0601 JRNL CODE: CSA
WORD COUNT: 1122

...TEXT: sales of $38.13 billion for the fiscal year ended June 30, 1999.

Not all **vendors** **share** Muccio's view or P&G's approach. For some, Wal-Mart's definition of...

... Weinacker's company, Pet Friendly, is not so small anymore, thanks to his business with **Wal - Mart** . The Mobile, Ala.-based company did $11,000 worth of business with **Wal - Mart** in 1993; last year sales were more than $5 million. The company achieved that growth because Weinacker and partner Teresa Young use **Wal - Mart** 's Retail **Link** system to **manage** **inventories** and customize assortments for different stores.

"There is no excuse for being out of stock...

15/3,K/3 (Item 3 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01966444 47192615
Discount stores
Anonymous
Chain Store Age PP: 10B-11B Dec 1999
ISSN: 1087-0601 JRNL CODE: CSA
WORD COUNT: 686

ABSTRACT: Inventory management survey results reveal that **discount** **retailers** understand the **link** between **inventory** **management** and customer demands. Indeed, like many other retailers, **discounters** believe

that effective inventory management can help them satisfy customer needs. Not surprisingly, as **discount retailers** strive to enhance inventory-management practices, they have put particular focus on information- **sharing** and **vendor** partnerships. Survey results are discussed and presented in chart form.
TEXT: This year's survey results reveal that **discount retailers** understand the **link** between **inventory management** and customer demands.

Indeed, like many other retailers, discounters believe that effective inventory management can...
... organizations. Undoubtedly, as executives in this segment continue to emphasize key practices such as information **sharing** , **vendor** partnerships and data integrity, they will see improvements in inventorymanagement capabilities and in customer satisfaction...

15/3,K/4 (Item 4 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01826862 04-77853
Grabbing a distribution edge
Biciocchi, Steve
Discount Merchandiser v39n5 PP: 42-43 May 1999
ISSN: 0012-3579 JRNL CODE: DMD
WORD COUNT: 1676

...TEXT: and geographic changes in the consumer base.

Discounters also should seek to establish a more **collaborative** relationship with **suppliers** . It's a safe bet that the Collaborative Planning, Forecasting and Replenishment (CPFR) initiative now...

...reap the rewards of a more highly integrated supply chain.

Given this world of tightly **linked supply chain** operations, it follows that discount merchants will need to push for better integration of their...

... level in distribution and what is generated upstream in merchandise planning and allocation. And, finally, **discounters** should look to develop more advanced decision support capabilities that jointly optimize decisions across a...

15/3,K/5 (Item 5 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01753297 04-04288
Strategic sourcing
Anderson, Matthew G; Katz, Paul B
International Journal of Logistics Management v9n1 PP: 1-13 1998
ISSN: 0957-4093 JRNL CODE: INLM
WORD COUNT: 5216

...TEXT: cost cutting, is the best way to create sustainable shareholder value. Success stories like Dell, **Wal - Mart** , General Electric, and Honda demonstrate the high value-add of procurement and other elements of...

... innovative procurement capabilities: Dell links suppliers into its builtto-order manufacturing process creating a responsive, **virtually** working capital free **supply chain** unmatched in the industry and has achieved shareholder value growth unmatched in the industry. **Wal - Mart** has adopted a total system cost approach to procurement, emphasizing a

supply process that minimizes...about a company's total procurement needs than does the procurement organization. Developing linkages to **communicate** effectively with **suppliers** (e.g., forecast and inventory sharing, production schedules) and support systems that enable sourcing decisions...

15/3,K/6 (Item 6 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01728537 03-79527
Customer service in the distributor channel empirical findings
Maltz, Arnold; Maltz, Elliot
Journal of Business Logistics v19n2 PP: 103-129 1998
ISSN: 0735-3766 JRNL CODE: JBL
WORD COUNT: 7319

...TEXT: the responsiveness of logistics suppliers to customer requirements 41 Discussions with "world class" organizations have **linked** information exchange capabilities, **supply chain** integration, and customer satisfaction.42 In fact, major organizations such as Caterpillar, General Electric, and **Wal * Mart** all stress that information exchange is critical to their ability to respond to market changes...are longer when they have to provide more value-added services. We wonder if better **communication** between the **distributor** and the final customer might help this problem. In any case, distributors do not associate better **supplier communication** or higher-end products with lower cycle times. Better information exchange is associated with better...

... on-time performance and lower backorder rates. Lower order cycle times are associated with better- **informed suppliers** who invest in the channel.

The second aspect of customer service, responsiveness, represents the channel...

... joint decision-making systems, and our findings reflect the problems of interfirm coordination. Distributors consider **supplier** information **sharing** very important to overall channel effectiveness, in terms of both basic service and responsiveness. Suppliers...

... coordination and relationship are likely to be very different. We found that industry differences, information **sharing** , and **supplier** knowledge and investment are important determinants of channel performance. Whether this generalizes to direct channels...

15/3,K/7 (Item 7 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01655501 03-06491
Extending ERP
Stein, Tom
Informationweek n686 PP: 75-82 Jun 15, 1998
ISSN: 8750-6874 JRNL CODE: IWK
WORD COUNT: 2817

...ABSTRACT: software from Manugistics Inc., Nabisco Inc. set up Internet pilots with large retailers such as **Wal - Mart** to do collaborative forecasting. The program is expected to reduce cycle times and cut inventory...

... and 3. the automation of core internal business processes. Marshall Industries has custom-built direct **links** between its Manugistics **supply - chain** system and the ERP systems of its customers and suppliers. ...

...TEXT: companies do business: They are extending ERP systems to provide better business value, with tighter **collaboration** with customers, **suppliers** , and ultimately end users, both domestically and globally. Organizations that have invested in ERP software...

... with which large, deep-pocketed companies have historically shared information.

Like Colgate, Bassett Furniture previously **communicated** with **suppliers** by fax. Whenever a customer had a question, the salesperson would have to contact someone...

... more efficient we can take weeks of inventory out of the system," he says.

Streamlined **communications** with **suppliers** will help BristolMyers Squibb Co. achieve its goal of cutting costs by S1.5 billion...supplies of cell phones fall below the level needed to accommodate new Airtouch subscribers, the **suppliers** will be **notified** electronically to replenish stock. "Managing the supply chain is all about removing the complexity of...

15/3,K/8 (Item 8 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01290824 99-40220
Pssst! Want to sell to Wal-Mart?
Schaffner, Karen
Apparel Industry Magazine v57n8 PP: 18-19+ Aug 1996
ISSN: 0192-1878 JRNL CODE: ANM
WORD COUNT: 1144

ABSTRACT: **Wal - Mart** 's combination of massive buying power and emphasis on lower costs causes problems for many apparel executives. They want the business, but find it difficult to meet **Wal - Mart** 's pricing demands and make a profit. The solution to this problem is not simple, but it is achievable, and **Wal - Mart** Stores' senior vice president John Lupo is working diligently with apparel vendors to help them...

... to this undertaking. Retail Link, a computer system the company first implemented in 1991, keeps **vendors** electronically **informed** about sales by SKU on a daily basis. In essence, the system gives the vendor...

... get - sales by SKU, by store and by climate zone. One of the results that **Wal - Mart** hopes to see with Retail Link is a reduction in **supply - chain** cost. Retail **Link** 's decision support system provide vendors with 100 weeks of their own product's sales...
...TEXT: it was just a shell of what it is today," Lupo recalls.

Retail Link keeps **vendors** electronically **informed** about sales by SKU on a daily basis. "It's the most powerful tool I...lines vendors at Wal-Mart are making better use of Retail Link than our apparel **vendors** ."

While Lupo **shared** the blame with his vendors for Retail Link's limited success, he vowed to turn...

15/3,K/9 (Item 9 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01230304 98-79699
Retailers master the art of speed
Kador, John
Chief Executive n114 PP: 54 Jun 1996

ISSN: 0160-4724 JRNL CODE: CHE
WORD COUNT: 635

ABSTRACT: **Wal - Mart** has mastered the art of speed with an elaborate system that ties the retailer and its thousands of suppliers together in a **network** of information, **just -in- time inventory** , and up-to-the-2nd sales feedback.
TEXT: **Wal - Mart** , with $100 billion a yea in sales, has mastered the art of speed with an elaborate system that ties the retailing powerhouse and its thousands of suppliers together in an **network** of information, **just -in- time inventory** , and up-to-the-second sales feedback. Here's a look at how **Wal - Mart** 's system works-and why other other retailers have followed the retailer's model.

If...

...for inventory.
Wal-Mart shares information generated by its retail scanning systems with its major **suppliers** because **sharing** benefits both parties. When suppliers know what products are moving, they can do better forecasting...

15/3,K/10 (Item 1 from file: 9)
DIALOG(R)File 9:Business & Industry(R)

1346071 Supplier Number: 01346071 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Wal-Mart Pushing Suppliers to Tap Into POS Data
(Wal-Mart's Retail Link is being touted as a way to help manufacturers boost the sales of their products in Wal-Mart stores)
Today's Retail Technology Supplement to Fairchild Publications, p 2+
December 1995
DOCUMENT TYPE: Journal (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 993

(USE FORMAT 7 OR 9 FOR FULLTEXT)

ABSTRACT:
According to John Lupo, senior vice president and general merchandise manager of **Wal - Mart** , the company's Retail Link is no longer an option for suppliers. Lupo says that **Wal - Mart** wants its suppliers to make better use of the comparative point-of-sale data the...

...information available via Retail Link can help manufacturers increase the sales of their products in **Wal - Mart** stores and even facilitate vendor **managed inventory** . Retail **Link** is a software package that **Wal - Mart** owns and designed, and it has been in operation since 1991. **Wal - Mart** has a projected sales goal of approximately $97 bil this year, which is a $15...

...last year. The company is the 12th largest in the world, with over 2,200 **Wal - Mart** stores and over 400 Sam's Clubs in the US, Canada, Mexico, Argentina, Brazil and Hong Kong. In 1996, the company intends to begin operations in China and Indonesia. **Wal - Mart** 's Retail Link helps to keep the company's merchandising size and the demands placed...

TEXT:
...is really cheap," Lupo said.

Retail Link captures every bit of information, which Wal-Mart **shares** with **vendors** . That includes point-of-sale data by SKU and by store, warehouse movement, forecast analysis...

15/3,K/11 (Item 1 from file: 810)

DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0705249 BW0489

3COM: 3Com Corp. announces winners of first annual Retail Network Innovation Awards; judging panel includes leading retail industry information technology professionals

May 20, 1997

Byline: Business Editors/Technology Writers

...that establishes a relationship
with Internet customers while maintaining the traditional in-store
sales base.
Supply Chain Networks -- Wal - Mart Stores Inc. (Bentonville, Ark.)
A major opportunity for the retail industry is to improve
forecast...

...application will enable a
retailer's inventory management group to work with larger numbers of
suppliers to **share** forecasting information. It will enable a
supplier's demand/manufacturing planning group to work with...

15/3,K/12 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

01469983 SUPPLIER NUMBER: 11895903 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Satellite communication: a status report.
Budwey, James N.
Telecommunications, v25, n12, p19(5)
Dec, 1991
ISSN: 0278-4831 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 4176 LINE COUNT: 00349

... as described above and include systems for inventory control,
repair diagnotics, order entry, and more. **Wal - Mart** uses a corporate
network not only for **inventory** and **logistics** control, but also for
credit card authorization and as a means to broadcast frequently corporate
...and single-channel-per-carrier audio and data service. Hughes Network
Systems is a major **supplier** of digital **communications** equipment and the
world's largest supplier of Ku-band VSAT networks with a 64...

15/3,K/13 (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

03586826 Supplier Number: 47428849 (USE FORMAT 7 FOR FULLTEXT)
First Annual Awards for Retail Networks
dot.COM, v4, n3, pN/A
June 1, 1997
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 456

... that enables a customer to select, personalize and order greeting
cards and other gift items.
Supply Chain Networks - Wal - Mart Stores Inc. (702 S.W. 8th
Street, Bentonville, AR 72716), for their Collaborative Planning
Forecasting and Replenishment (CPFR) initiative, which will enable
retailers to work with larger numbers of **suppliers** to **share** forecasting

information, and enable suppliers to work with larger numbers of retailers to share planned...

15/3,K/14 (Item 2 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

03576923 Supplier Number: 47404044 (USE FORMAT 7 FOR FULLTEXT)
3COM: 3Com announces winners of the first annual Retail Network Innovation Awards
M2 Presswire, pN/A
May 22, 1997
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1437

... that establishes a relationship with Internet customers while maintaining the traditional in-store sales base.
Supply Chain Networks -- **Wal - Mart** Stores, Inc. (Bentonville, Ark.)
A major opportunity for the retail industry is to improve forecast...

...application will enable a retailer's inventory management group to work with larger numbers of **suppliers** to **share** forecasting information. It will enable a supplier's demand/manufacturing planning group to work with ...

15/3,K/15 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

08193796 Supplier Number: 68765143 (USE FORMAT 7 FOR FULLTEXT)
RETAILERS PROVE WARY OF EXCHANGES; QUESTIONS OF FAIRNESS AND COMMITMENT LEAD MAJOR COMPANIES TO SIT ON THE SIDELINES.
Hickins, Michael
Daily News Record, p12
Dec 15, 2000
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; General Trade
Word Count: 1237

... trying to get this work done and still run their business."
John Menzer, president of **Wal - Mart** International, a subsidiary of the Bentonville, Ark.-based retailer that is, in the eyes of some observers, the competitive target of these exchanges, noted that Retail **Link** , a proprietary **supply - chain** tool it developed to **communicate** with **suppliers** , means that it "will not be burdened with the distractions of staffing and financing" a...

15/3,K/16 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

08193716 Supplier Number: 68764745 (USE FORMAT 7 FOR FULLTEXT)
CRACKS IN THE ALLIANCE.(Internet-based trading exchanges)
Hickins, Michael
WWD, p15
Dec 13, 2000
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1101

... trying to get this work done and still run their business."

John Menzer, president of **Wal - Mart** International, a subsidiary of the Bentonville, Ark.-based retailer that is, in the eyes of some observers, the competitive target of these exchanges, noted that Retail **Link** , a proprietary **supply chain** tool it developed to **communicate** with **suppliers** , means that it "will not be burdened with the distractions of staffing and financing" a...

15/3,K/17 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

06913021 Supplier Number: 58414581 (USE FORMAT 7 FOR FULLTEXT)
Inventory Management.(Statistical Data Included)
Chain Store Age Executive with Shopping Center Age, v75, n12, p3B
Dec, 1999
Language: English Record Type: Fulltext
Article Type: Statistical Data Included
Document Type: Magazine/Journal; Trade
Word Count: 9853

... better serve the ultimate customer.
That said, close to half of all respondents are currently **sharing** information with **vendors** , primarily sales (59%) and inventory information (52%). Slightly fewer than half are sharing sales forecast...

...informed and have more choices, literally at their fingertips. This understanding has led to increased **collaboration** between **vendors** and retailers in an effort to achieve and maintain more efficient inventories, keeping them lean...appear to be more willing than supermarkets to share sales, margin and inventory information with **vendors** . **Sharing** this information with suppliers allows c-stores to maximize vendor rebates and promotional activities. Information that is **shared** with **suppliers** by percent of c-stores includes sales data (55%), sales forecasts (35%), margins (55%), inventory...are ECR (40%) and VMI (vendor-managed inventory) (30%), although considerably less frequently.
Partnering with **vendors** in the **sharing** of inventory information has been a long-standing practice among department store retailers. This year witnessed an across-the-board increase in the amount of information these retailers are **sharing** with **vendors** . This information includes sales (100%), sales forecasts (90%), margin (80%), inventory (80%) and customer-service...

...partnerships with 11%
outside counting services
Discount Stores
This year's survey results reveal that **discount retailers** understand the **link** between **inventory management** and customer demands. Indeed, like many other retailers, **discounters** believe that effective inventory management can help them satisfy customer needs. Not surprisingly, as **discount retailers** strive to enhance inventory-management practices, they have put particular focus on information- **sharing** and **vendor** partnerships.
That ...organizations. Undoubtedly, as executives in this segment continue to emphasize key practices such as information **sharing** , **vendor** partnerships and data integrity, they will see improvements in inventory-management capabilities and in customer...To achieve true supply-chain effectiveness, home center retailers will have to expand on information- **sharing** with **vendors** . Indeed, partnering with vendors is critical in meeting customer product needs and preferences.
In summary...with vendors and 14% participate in vendor-managed-inventory (VMI) programs. Of the information currently **shared** with **vendors** , nearly 60% of respondents stated that they share inventory data with vendors. This was followed...retailers.
Despite the growing acceptance of such practices, some supermarket retailers still appear reluctant to **share** data with **vendors** . More than

42% of the supermarket retailers surveyed do not currently share any information with...

15/3,K/18 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

12571824 SUPPLIER NUMBER: 65171610 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Supply chain management NEW ROLE FOR FINANCE PROFESSIONALS.
CLOUD, RANDALL J.
Strategic Finance, 82, 2, 29
August, 2000
ISSN: 1463-1385 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1614 LINE COUNT: 00144

... premise is simple: Operational strategies should be designed and managed around customer needs. Imagine three **links** in the **supply chain** --distribution, production, and materials. Distribution, the closest ring to customer demand, is the first link: Products and services must be available when the customer wants and needs them. **Wal - Mart** has mastered the order-to-delivery process, keeping thousands of products in store locations across...developed.

As the teams develop, key information--forecasts, product plans, and design information--should be **shared** with **suppliers** . The objective is to reduce material lead-times, costs, and operating expenses throughout the supply...

15/3,K/19 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

10861474 SUPPLIER NUMBER: 54036235 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The use and abuse of power in supply chains.(includes related articles on supply chain partners)
Munson, Charles L.; Rosenblatt, Meir J.; Rosenblatt, Zehava
Business Horizons, 42, 1, 55(1)
Jan-Feb, 1999
ISSN: 0007-6813 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 7772 LINE COUNT: 00666

... profit margins at its Mexican restaurants dropped.

Channel structure may become destabilized when companies bypass **links** in the **supply chain** altogether. Retailers such as **Wal - Mart** , Cataloger-Fingerhut, and Builder's square have refused to deal with manufacturers' representatives, desiring direct...after the Independent Insurance Agents' Association of Ohio applied pressure. And several New York apparel **vendors** **share** strategies on how to cope with retailers' demands.

Legal action is a powerful retaliation tactic ...EDI," Manufacturing Systems (supplement), August 1995, pp. 22-28.

C. Duff, "Nation's Retailers Ask **Vendors** to Help **Share** Expenses," Wall Street Journal, August 4, 1993, p. B4.

"Eli Lilly and Company: The Flexible...

15/3,K/20 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

08864517 SUPPLIER NUMBER: 18452829
The need for speed: how customer communications puts time on your side. (includes related article on retailers)(Panel Discussion)
Kador, John; Donlon, J.P.
Chief Executive (U.S.), n114, p48(9)

June, 1996
DOCUMENT TYPE: Panel Discussion ISSN: 0160-4724 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 5839 LINE COUNT: 00456

... packaging and casing company based in Chicago.
RELATED ARTICLE: Retailers Master the Art of Speed
Wal - Mart , with $100 billion a year in sales, has mastered the art of speed with an elaborate system that ties the retailing powerhouse and its thousands of suppliers together in an **network** of information, **just -in- time inventory** , and up-to-the-second sales feedback. Here's a look at how **Wal - Mart** 's system works - and why other other retailers have followed the retailer's model.
If...

...for inventory.
Wal-Mart shares information generated by its retail scanning systems with its major **suppliers** because **sharing** benefits both parties. When suppliers know what products are moving, they can do better forecasting...

15/3,K/21 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

02912825
Altro Solutions Builds Supermarket Supply Chain Extranet for Fleming
BUSINESS WIRE
September 24, 1998
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 1420

... rich access to information about more than 400,000 products. It enables Fleming retailers and **vendor** partners to **communicate** with one another and with Fleming through a single integrated systems environment. Now, Fleming and...

... to meals outside the home and to prepared foods. As a result, all three "traditional **links** " in the grocery **supply chain** -- vendor, distributor and retailer -- have been searching for ways to increase revenues and margins while...